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GOVERNMENT OF KARNATAKA

**REPORT
ON
MEDICAL CERTIFICATION OF
CAUSE OF DEATH
2013**



**Office of the Chief Registrar of Births & Deaths
and
Directorate of Economics & Statistics
Bangalore**

PREFACE

The Report for the year 2013 is the thirty-third in the series of the publication presenting statistics on causes of death obtained through the Civil Registration System under the registration of Births and Deaths Act, 1969.

2. Statistical analysis of causes of death forms an important mortality data base, which is the backbone of National Health Policy and Planning. The main aim of this report is to build mortality statistics, which is of vital importance to know the leading causes of deaths, as they are essential for prioritizing Public Health Programmes not only for the country as a whole but also equally important at regional/sub-regional level.

3. This report is based on the data on medically certified deaths received from Teaching, District, Specialised and General hospitals of the Karnataka State. Data on medically certified deaths received from 1459 hospitals of the state has been tabulated in conformity with the ICD-Tenth Revision. The Statistics on causes of death have been presented, cross tabulating them by age and sex. The time series data on medically certified deaths by major cause groups for the previous six years have also been added.

4. I take this opportunity to express my sincere gratitude to the authorities of hospitals for furnishing the data, on the basis of which the Report has become possible. I am thankful to each one of them for their continued co-operation and shall be the strength in the years to come.

5. The data was processed in the Division dealing with Civil Registration, National Sample Survey, etc., of the Directorate.

Suggestions for improvement of the publication are most welcome.

Bangalore
Date : 23.03.2015

K. LAKSHMIPATHY
Director & Chief Registrar of
Births and Deaths

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EXECUTIVE SUMMARY

Reliable cause specific mortality statistics is required on a regular basis by Administrators, Policy Planners, Researchers and other Professionals for evidence-based decision making with regard to resource allocation, monitoring of indicators, identifying the Priorities for programmes and other related activities in the area of Public Health. Keeping this in view, the Scheme of *Medical Certification of Cause of Death (MCCD)* was introduced in the Country under the provisions of Registration of Births and Deaths (RBD) Act, 1969. Section 10(2) of the Act empowers the State government to enforce the provision relating to Medical Certification of Cause of Death (MCCD) in specified areas taking into consideration the availability of medical facilities. Section 10(3) of the Act provides for issuing a certificate of the cause of death by the medical practitioner who has attended on the deceased at the time of death.

Methodology: The necessary data is collected in the Prescribed forms (Form No.4 for Hospital deaths and Form No.4A for Non-institutional Deaths). Both these forms have been designed by World Health Organisation (WHO) and are supposed to be filled-up by the medical professionals attending to the deceased at the time of terminal illness. Thereafter, these forms are to be sent to the concerned Registrars of Births and Deaths for onward transmission to the Chief Registrar Office for tabulation as per National List based on International Classification of Death (ICD). The State subsequently send it to the Office of the Registrar General, India in the form of Statistical Table-9 for consolidation at the National level.

Scope of the report: The report on Medical Certification of Cause of Death – 2013 is based upon 143708 (Males: 91318 and Females: 52390) medically certified deaths (33.89 per cent of total registered deaths) supplied by 1459 Hospitals. As mentioned above, owing to different levels of efficiency of medical certification across the State, the number of deaths reported therein may lack the representative feature in the strict sense, however, it may be sufficient to throw some valuable insight into deaths by various cause groups and their gravity.

Overall Findings:

During the year 2013, following are eight leading cause groups of deaths constituting around 88.80 per cent of total medically certified deaths:

- I. *Diseases of Circulatory System (28.80 per cent).*
- II. *Injury, Poisoning and certain other consequences of External causes (11.48 per cent).*
- III. *Certain Infectious and Parasitic diseases (10.10 per cent).*

IV. *Certain condition originating in the perinatal period (9.33per cent)*

V. *Diseases of the Respiratory System (8.60 per cent).*

VI. *Neoplasm (6.67 per cent).*

VII. *Endocrine, Nutritional and Metabolic Diseases (6.64 per cent).*

VIII. *Diseases of the Digestive System (5.59 per cent)*

- Among the “Diseases of the circulatory system” deaths, “*Ischemic Heart Diseases*” (IHD) account for the highest number of deaths (39.10 per cent). Around every 11th medically certified death has been reported to be caused by Ischemic Heart Disease alone.
- The second leading cause group “*Injury, Poisoning and certain other consequences of External causes*” has a major constituent “*Poisonings by drugs and Biological substances and Toxic effects of substances chiefly non-medicinal as to source*” contributing around 32.58 per cent of the total deaths under this cause group and 3.74 per cent of total medically certified deaths.
- The major group “*Certain Infectious and Parasitic Diseases*” which is the third leading cause of death is mainly constituted by “*Tuberculosis and septicemia*”. Under this major group, the share of these two diseases are 45.29 per cent and 16.87 percent respectively. Tuberculosis alone accounts for 4.57per cent of the total medically certified deaths.
- Under the fourth leading group “*Certain conditions originating in the perinatal period*” accounting for 9.33 per cent of the total medically certified deaths. “*Hypoxia, Birth Asphyxia and other Respiratory Conditions*” accounts for 48.93 per cent of the deaths under the group and 4.56 percent of total medically certified deaths.
- The major group “*Diseases of the Respiratory System*” is the fifth leading cause “*Other Lower Respiratory Disorders*” accounting for around 35.06 per cent of the total deaths. The other major cause in this group is “*Pneumonia*” Causing 23.22 per cent of death, under total medically certified deaths, “*Pneumonia*” alone accounts for 2.00 per cent.
- The sixth leading cause group, *Neoplasms (cancer)* is responsible for 6.67 per cent of the total medically certified deaths, of which “*Malignant Neoplasm of digestive organs*” accounts for 27.30 per cent which is accounts for more than one-fourth of deaths.

- The major group comprising “*Diseases of Digestive System*” is the seventh leading cause accounting for 6.64 per cent of the total medically certified deaths. Among the deaths due to disorders of digestive system “*Diseases of the Liver*” alone accounts for 68.68 per cent of the total deaths in this group.
- The group of “*Endocrine, Nutritional and Metabolic Diseases*” is the eighth leading cause group accounting for 5.59 per cent of the total medically certified deaths. Under this cause group, “*Diabetes Mellitus*” group alone accounts for 80.29 per cent of total deaths reported and 4.49 per cent of total medically certified deaths.

Age-wise: [TABLE-2]

- Every tenth reported medically certified deaths has been of the infants (age less than 1 year).
- About 86.33 per cent of infant deaths have been reported to be caused by ‘*Certain conditions originating in the perinatal period*’.
- Among the children aged 1-4 years “*Certain Infectious and Parasitic Diseases*” have taken the highest toll of 23.61 per cent. In the age group 5-14 years “*Certain Infectious and Parasitic Diseases*” also claimed the topmost position with the share of 30.05 per cent.
- In the age-groups of 15-24 and 25-34 years, major group. “*Injury Poisoning & certain other consequences of External causes*” is the first among the leading causes contributing around 45.11 per cent and 35.61 per cent respectively. It implies that these age-group of youth and adolescent are more vulnerable to injuries and poisoning related deaths.
- In the age-group 35-44 years, the first two leading causes “*Diseases of Circulatory System*” and “*Injury, Poisoning and certain other consequences of External causes*” are having shares of 22.26 and 20.09 per cent respectively.
- For all the age-groups of 45 years and above “*Diseases of Circulatory System*” is the first leading cause of death (39.31 per cent). The percentage contribution of this cause group for 45 years and above, to respective age-group totals have been increasing with age. The percentage share of this cause group to the total medically certified deaths for these ages varies from 29.08 per cent to 44.94 per cent.
- The highest number of deaths (32968 i.e., 22.94 per cent of total) as expected has been reported for the age-group 70 years and above.

Gender-wise:

- The contributions of male and female deaths in the total medically certified cases has been reported to be 63.54 per cent and 36.46 per cent respectively.
- There is no significant difference for females as far as eight leading causes are concerned, except for Neoplasm and Diseases of Digestive System deaths.
- The percentage of female neoplasm deaths to total female medically certified deaths is 7.74 per cent as compared to the corresponding male figure of 6.05 per cent. On the contrary, the percentage of female digestive system deaths to total female medically certified deaths is just 3.34 per cent as compared to the corresponding male figure of 8.53 per cent.

CHAPTER - I
INTRODUCTION

CHAPTER - I

INTRODUCTION :

The age, sex and cause specific mortality rates are important indicators for evidence based monitoring of health trends in the population. The statistics on causes of death is essential for planners, administrators and medical professionals in undertaking appropriate curative and preventive measures for various health problems. It may also play an important role in furtherance of medical research and may contribute immensely in improving the methods of diagnosis and analysis. Under the system of Registration of Births and Deaths, the scheme of Medical Certification of Cause of Death forms an integral part of the Vital Statistics System which aims at providing a reliable database for generating cause specific mortality statistics on a regular basis.

1.2 Medical Research is currently facing stiff challenges from the spread of a variety of ailments like Cancer, AIDS, Heart Diseases, Juvenile diabetes, non-communicable diseases, Swine flu and Chickungunya etc. For tackling these issues, good documentation of information on the causes of death is indispensable. Recognising this fact and in order to draw the profile of different natural and manmade causes of death, the international community of Medical Professionals, under the aegis of World Health Organisation have codified most of the disease labeling them “*International Classification of Diseases (ICD)*”.

1.3 This ICD is customised to the Indian conditions under the scheme of “*Medical Certification of Cause of Death (MCCD)*”. Important demographic indicators like Infant Mortality Rate, Maternal Mortality Rate and Child Mortality Rate are derived using the information on MCCD.

1.4 This report is based on the 10th revision of ICD. The statistics presented in this report, give information on cause specific mortality cross classified by sex and age-groups. The prescribed Form No. 4 (Annexure-II) has to be carefully filled by the physician who examines / attends / treats the deceased during the period of his / her last illness. This form, which clearly spells out the various causes of death is the basis of this survey results.

1.5 **Meaning & Scope of Cause of Death:** The term ‘cause of death’ has been defined as to go back to the root / underlying cause. It is “the morbid condition to which can be traced the sequences of events ultimately resulting in death”. The form prescribed for certification has two parts, Part-I for recording the diseases suffered by the deceased in a specific sequence to facilitate segregation of the underlying cause from the immediate cause and Part-II for other significant morbid conditions, even if they were not responsible for the death.

1.6 The scheme of Medical Certification of Cause of Death has got the statutory backing under sections 10(2) and 10(3), 17(1)(b) and 23(3) of the Registration of Births and Deaths Act, 1969.

The provisions relating to MCCD in Registration of Births & Deaths Act, 1969 are as follows:

Section 10(2) : In any area, the State Government having regard to the facilities available therein in this behalf may require that a certificate as to the cause of death shall be obtained by Registrar from such person and in such form as may be prescribed.

Section 10(3) : Where the State Government has required under sub-section (2) that a certificate as to the cause of death shall be obtained. In the event of the death of any person who, during his last illness, was attended by a medical practitioner, the medical practitioner shall, after the death of that person, forthwith, issue without charging any fee, to the person required under this Act to give information concerning the death, a certificate in the prescribed form stating to the best of his knowledge and belief the cause of death; and the certificate shall be received and delivered by such person to the Registrar at the time of giving information concerning the death as required by this Act.

Section 17(1) (b) : Subject to any rules made in this behalf by the State Government, including rules relating to the payment of fees and postal charges, any person may obtain an extract from registration records relating to any death; provided that no extract relating to any death, issued to any person, shall disclose the particulars regarding the cause of death as entered in the register.

Section 23(3) : Any medical practitioner who neglects or refuses to issue a certificate under sub-section (3) of section 10 and any person who neglects or refuses to deliver such certificates shall be punishable with fine which may extend to fifty rupees.

1.7 The report is presented in 4 chapters and 3 appendices. Chapters II, III and IV deals with '*Scheme of Medical Certification of Cause of Death: Status of implementation*', '*Distribution of Deaths by Cause*' and '*Specific Cause of Mortality in different age group*' respectively. Appendix-I contains detailed Statistical tables for ready reference.

CHAPTER - II

**SCHEME OF MCCD :
STATUS OF IMPLEMENTATION**

CHAPTER - II

Scheme of MCCD : Status of Implementation :

The RBD Act, 1969 provides for compulsory registration of births and deaths in the country. The scheme of MCCD was introduced in the State during the year 1967 with 44 selected hospitals. It was extended to 168 hospitals by 1990. 350 hospitals with bed-strength of 20 or more in towns and cities with a lakh or more population (as per 1981 census) were covered in 1991. This expansion was taken up as per the recommendations of the workshop on “Statistics of Cause of Death” held during 1986 at New Delhi.

2.2 In order to take the MCCD Scheme forward in a systematic manner in the country, the Registrar General, India has been impressing upon all the States / Union Territories to bring all hospitals (Government & Private) and private medical practitioners under its coverage, both in rural as well as urban areas by imposing issue of Notification. In this context, the Government of Karnataka has been issued Notification to bring all Government and Private medical institutions and private medical practitioners under the scheme of Medical Certification of Cause of Death. By 2013, 1459 hospitals have been brought under the scheme. The scheme’s ambit is confined mostly to institutional deaths. Though the sample is representative, sweeping generalisations are not recommended, since a large number of rural events remain outside the ambit of the survey.

MCCD Status : State Scenario : Flow of Data and Processing :

2.3 The certificates of cause(s) of death certified by the doctors were sent in the prescribed Form (No.4) directly from the institutions covered under the scheme of MCCD on a monthly basis to this Directorate. They were scrutinised & coded as per ICD-10th Revision & Table-9 derived as per the National list prescribed / designed by the Registrar General, India. Data was processed at the Inhouse Computer Centre of the CNL Division of the Directorate.

2.4 As per the reported information, the number of hospitals covered and reporting data on MCCD, District-wise and Sex-wise classification in the State is presented in the **Statement-1**.

Statement-1
DISTRICTWISE AND SEXWISE DISTRIBUTION OF NUMBER OF
MEDICALLY CERTIFIED DEATHS-2013

Sl.No	District Name	No. of Hospitals	Male	Female	Total
1	Bagalkote	65	1869	1106	2975
2	Bangalore(U)	434	27729	16241	43970
3	Bangalore®	14	368	171	539
4	Belgaum	80	5154	2703	7857
5	Bellary	45	3147	1757	4904
6	Bidar	23	1230	710	1940
7	Bijapur	45	2455	1422	3877
8	Chamarajanagar	13	410	183	593
9	Chikballapur	10	326	182	508
10	Chikmagalur	32	1742	936	2678
11	Chitradurga	25	1534	969	2503
12	D.Kannada	94	7754	4148	11902
13	Davanagere	32	4053	2535	6588
14	Dharwad	75	5863	3281	9144
15	Gadag	32	1433	945	2378
16	Gulbarga	28	1536	1115	2651
17	Hassan	25	1739	992	2731
18	Haveri	20	988	537	1525
19	Kodagu	17	481	267	748
20	Kolar	26	1685	1020	2705
21	Koppal	14	223	124	347
22	Mandya	24	1573	816	2389
23	Mysore	47	6608	3725	10333
24	Raichur	23	1113	660	1773
25	Ramanagara	13	239	130	369
26	Shimoga	55	2929	1649	4578
27	Tumkur	40	2003	1181	3184
28	Udupi	54	3137	1753	4890
29	U.Kannada	47	1948	1106	3054
30	Yadgiri	7	49	26	75
	Total	1459	91318	52390	143708

2.5 During 2013, a total of 143708 medically certified deaths were reported, of which 91318 and 52390 pertained to males and females respectively. Among 3941 hospitals in the State 1459 (37.02%) hospitals were covered under Medical Certification of Cause of Death.

Out of 434 hospitals in Bangalore district, the district had reported 43970 deaths covering 30.60 per cent of total medically certified deaths.

The next highest number of hospitals (94) in Dakshina Kannada district covered under Medical Certification of Cause of Death accounted for 11902 deaths (8.28 per cent).

Less than 500 deaths were reported in the districts of Koppala (0.24%) , Ramanagar (0.26%) and Yadgiri(.05%).

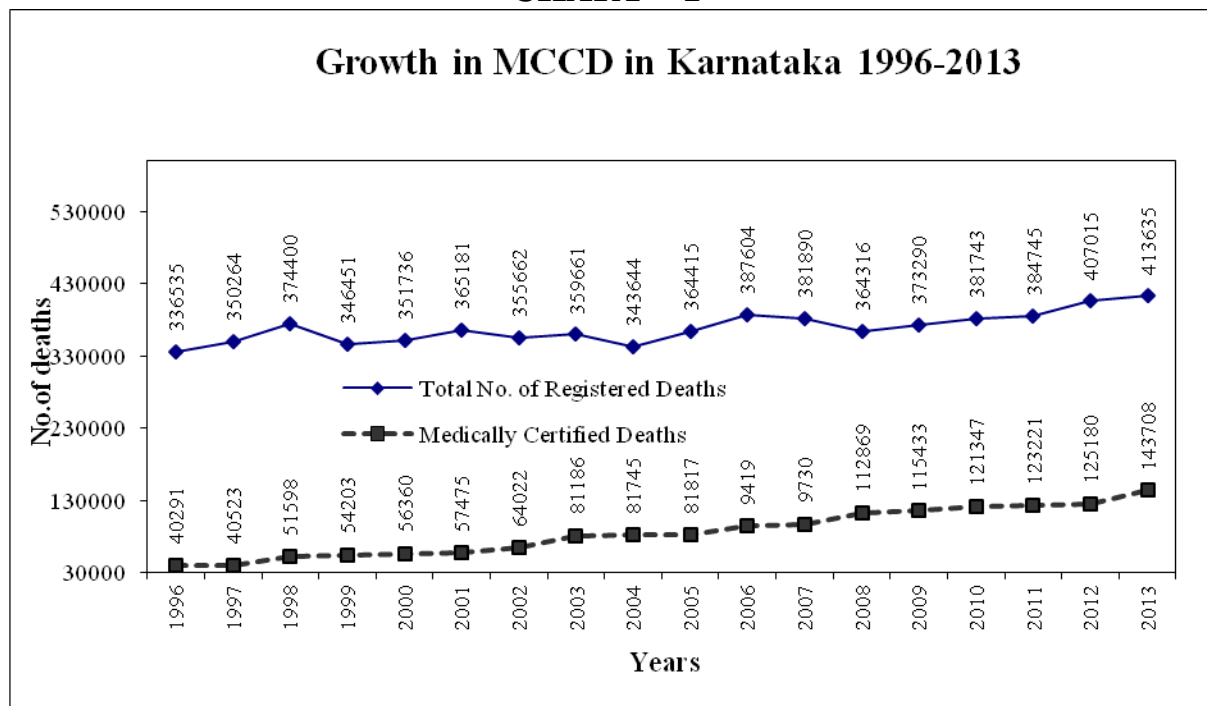
Growth in the Medical Certification of Cause of Death :

2.6 The time series data on MCCD for the year 1996 to 2013 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been fluctuating over the years. It was 11.57 per cent during the year 1997 and highest with 33.89 per cent during the year 2013. The growth in MCCD during the last 18 years is given in **Statement-2** and is highlighted in the **Chart-1**.

Statement - 2
**Growth in the Medical Certification as a part of total Registered Deaths-
KARNATAKA**

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Medically Certified Deaths to Total Registered Deaths
1996	336535	40291	11.97
1997	350264	40523	11.57
1998	374400	51598	13.78
1999	346451	54203	15.65
2000	351736	56360	16.02
2001	365181	57475	15.74
2002	355662	64022	18.00
2003	359661	81186	22.57
2004	343644	81745	23.79
2005	364415	81817	22.45
2006	387604	94193	24.30
2007	381890	97300	25.48
2008	364316	112869	30.98
2009	373290	115433	30.92
2010	381743	121347	31.79
2011	384745	123221	32.03
2012	407015	125180	30.76
2013	413635	143708	34.74

CHART – 1



Growth in the Medical Certification of Cause of Death at All India Level:

2.8 The time series data on MCCD for the year 2004 to 2008 reveals a significant long-term growth in absolute numbers of medically certified cases. The share of medically certified deaths in total registered deaths has been increasing over the years. It was 14.2 per cent during the year 2004 and highest with 19.3 per cent during the year 2008. The growth in MCCD during the last 5 years of India is given in **Statement-2A..**

Statement – 2A

Growth in the Medical Certification as a part of Total Registered Deaths – INDIA

Year	Total No. of Registered Deaths	Medically Certified Deaths	Percentage of Medically Certified Deaths to Total Registered Deaths
2004	4258440	603260	14.2
2005	4560901	650507	14.3
2006	4327664	720047	16.6
2007	4219770	798546	18.9
2008	4560901	878339	19.3

CHAPTER - III

**SCHEME OF MCCD :
DISTRIBUTION OF DEATHS
BY CAUSE**

CHAPTER – III

Distribution of Deaths by Causes

3.1 The data on Medical Certification of Cause of Death has been presented as per the National list based on 10th revision of ICD, to facilitate meaningful comparison and drawing valid conclusions thereof. This chapter aims at summarising the findings of data reported on medically certified deaths from 1459 hospitals by age, sex and major cause groups. During 2013, a total of 143708 medically certified deaths were reported, of which 91318 and 52390 pertained to males and females respectively. The age-wise distribution of such deaths by sex is presented in the **Statement-3 & Chart-2**.

Statement – 3

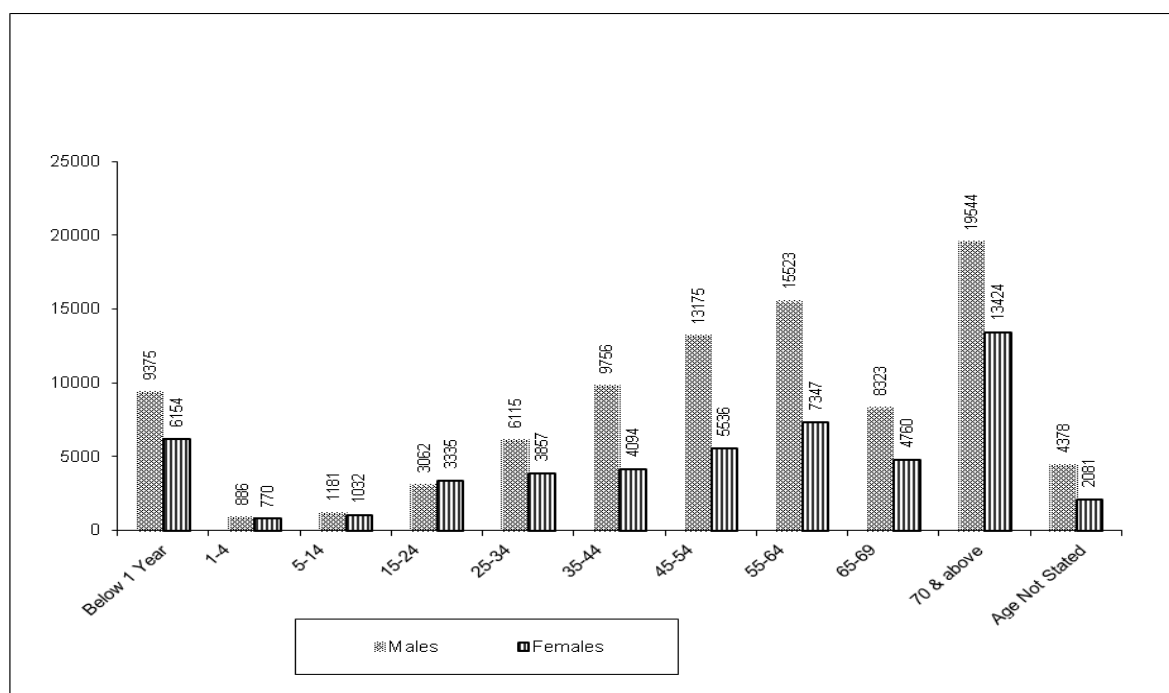
Age and Sex Distribution of Medically Certified Deaths – 2013

Sl. No	Age Group (in years)	Male			Female			Total	
		No. of Medically certified Deaths	Percentage to		No. of Medically certified Deaths	Percentage to		No. of Medically certified Deaths	% to total Medically certified deaths
			Total Male deaths Under MCCD	Total Medically certified deaths		Total Female deaths Under MCCD	Total Medically certified deaths		
1	Below 1 Year	9375	10.27	6.52	6154	11.75	4.28	15529	10.81
2	1-4	886	0.97	0.62	770	1.47	0.54	1656	1.15
3	5-14	1181	1.29	0.82	1032	1.97	0.72	2213	1.54
4	15-24	3062	3.35	2.13	3335	6.37	2.32	6397	4.45
5	25-34	6115	6.70	4.26	3857	7.36	2.68	9972	6.94
6	35-44	9756	10.68	6.79	4094	7.81	2.85	13850	9.64
7	45-54	13175	14.43	9.17	5536	10.57	3.85	18711	13.02
8	55-64	15523	17.00	10.80	7347	14.02	5.11	22870	15.91
9	65-69	8323	9.11	5.79	4760	9.09	3.31	13083	9.10
10	70 & above	19544	21.40	13.60	13424	25.62	9.34	32968	22.94
11	Age Not Stated	4378	4.79	3.05	2081	3.97	1.45	6459	4.49
	Total	91318	100.00	63.54	52390	100.00	36.46	143708	100.00

Note: Due to rounding off total may not tally with aggregate.

Chart - 2

DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE AND SEX UNDER MCCD – 2013



3.2 Statement-3 indicates the contribution of male and female deaths in the total medically certified cases were reported to be 63.54 per cent and 36.46 per cent respectively. It seems that more males are admitted to hospital during last moments as compared to females. Among the males those who crossed 70 years stood first followed by those in the age group 55-64 and 45-54 years. These three age-groups put together formed 52.83 per cent of deaths. Age group 35-44 years also had a significant place with 10.68 per cent. Infant deaths occupied the 5th place (10.27 per cent). Least vulnerable were those in the age group 1-4 years.

Among the females also 70 plus had the largest share, followed by those in the age group 55-64 years. Both put together contributed 39.64 per cent deaths. Infant deaths took 3rd position with 11.75 per cent, 21.54 per cent deaths were from the prime age group of 15-44 years. Least vulnerable was again in the age group 1-4 years.

3.3 The eight leading cause groups of deaths viz., *Diseases of the circulatory system (I00-I99)*, *Injury, Poisoning and certain other consequences of external causes (S00-T98)*, *Certain Infectious and Parasitic Diseases (A00-B99)*, *Certain conditions originating in the perinatal period (P00-P96)*, *Diseases of the Respiratory System (J00-J98)*, *Neoplasm (C00-D48)*, *Diseases of the Digestive System (K00-K92)*, and *Endocrine, Nutritional and Metabolic Diseases (E00-E89)* had taken together account for about 87.21 per cent of the total medically certified deaths which is detailed in **Statement-4**.

Statement-4

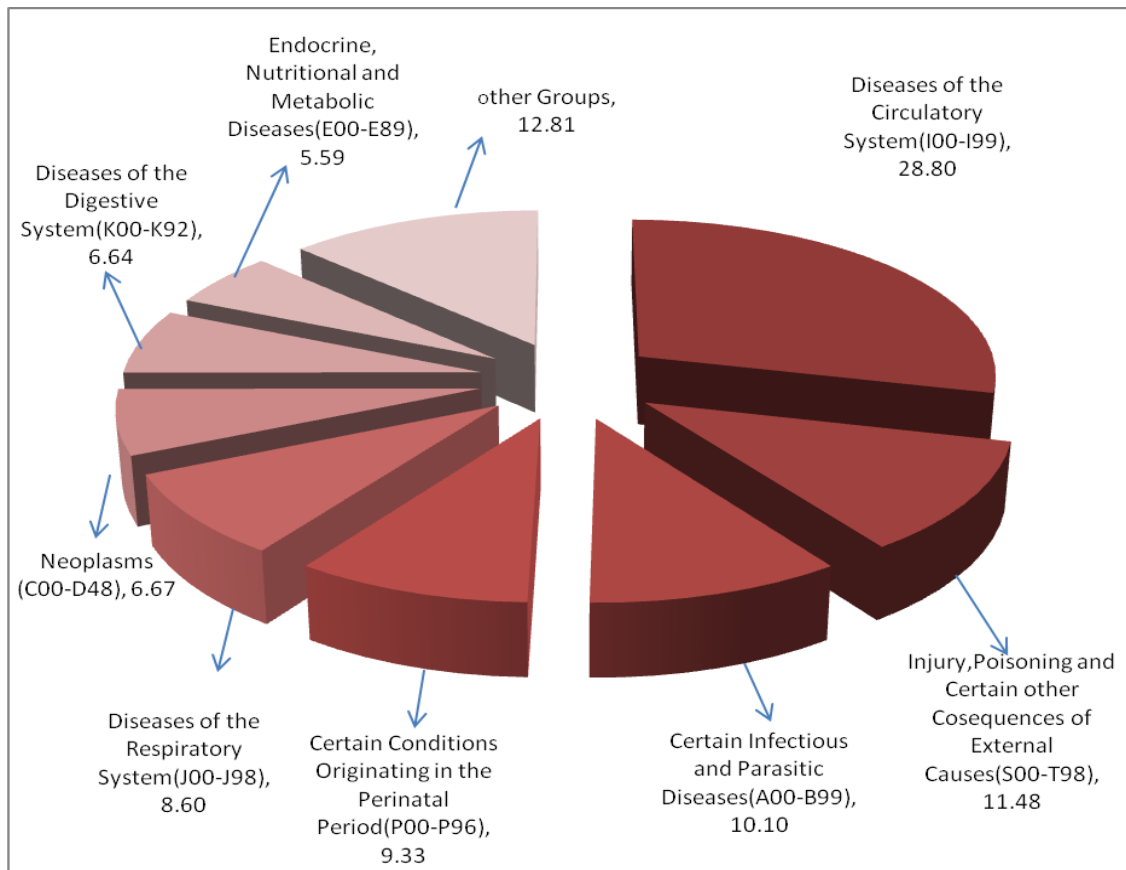
Distribution of Medically Certified Deaths by Age and Sex and Eight Leading Cause-Groups during-2013

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	26384	28.89	14997	28.63	41381	28.80
2	Injury,Poisoning and Certain other Consequences of External Causes(S00-T98)	10714	11.73	5780	11.03	16494	11.48
3	Certain Infectious and Parasitic Diseases(A00-B99)	9510	10.41	4998	9.54	14508	10.10
4	Certain Conditions Originating in the Perinatal Period(P00-P96)	8053	8.82	5353	10.22	13406	9.33
5	Diseases of the Respiratory System(J00-J98)	8140	8.91	4212	8.04	12352	8.60
6	Neoplasms (C00-D48)	5525	6.05	4055	7.74	9580	6.67
7	Diseases of the Digestive System(K00-K92)	7788	8.53	1750	3.34	9538	6.64
8	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	4606	5.04	3432	6.55	8038	5.59
9	Other Groups	10598	11.61	7813	14.91	18411	12.79
	Total	91318	100.00	52390	100.00	143708	100.00

3.4 Among the leading cause groups, *‘Diseases of Circulatory System’* constitute the maximum i.e. **28.80 per cent** of total medically certified deaths, followed by *‘Injury, Poisoning and Certain Other Consequences of External Causes’* **11.48 per cent**, *‘Certain Infectious and Parasitic Diseases’* **10.10 per cent**, and *‘Certain conditions originating in the perinatal period’* constitute **9.33 per cent** of total medically certified deaths, followed by **8.60 per cent** due to *‘Diseases of the Respiratory System’*, *‘The Neoplasms’*, *‘Diseases of the Digestive system’*, and *‘Endocrine, Nutritional and Metabolic Diseases’* each constitute around **6 percent** of the total medically certified deaths. In respect of eight leading causes of death the gender difference is not significant. However, the medically certified male deaths are on a higher side in case of *‘Diseases of Circulatory System’*, *‘Injury, Poisoning and Certain other Consequences of External Causes’*, *‘Certain Infectious and Parasitic Diseases’*, *‘Diseases of Respiratory System’* and *‘Diseases of the Digestive system’* compared to corresponding female figures. But it is vis-a-versa in the case of *Neoplasm and ‘Endocrine, Nutritional and Metabolic Diseases’* The percentage distribution of medically certified deaths by leading cause groups is depicted in **Chart-3**.

Chart - 3

**PERCENTAGE DISTRIBUTION OF DEATHS UNDER MCCD
BY LEADING CAUSE GROUP – 2013**



3.5 The percentage distribution of eight major cause groups of death for the period 1997 to 2013 is presented in the **Statement-5**.

Statement – 5

Percentage Distribution of 8 leading Major Cause Groups of Deaths during 1997- 2013

Year	Leading major cause groups of deaths (As per ICD-10)									
	Diseases of the circulatory system	Certain Infectious and Parasitic Diseases	Injury Poisoning & certain other consequences of external causes	Certain conditions originating in the Perinatal period	Diseases of the Respiratory System	Endocrine, Nutritional & Metabolic Diseases	Neoplasm	Diseases of the Digestive System	Other Groups	Total
1997	22.00	14.60	16.00	10.90	6.10	4.60	4.40	6.50	14.90	100.00
1998	22.10	15.50	15.30	9.30	6.40	4.80	4.50	6.60	15.50	100.00
1999	21.60	17.30	15.40	9.30	6.70	4.60	4.30	6.30	14.50	100.00
2000	26.31	15.16	9.21	10.27	6.42	4.68	3.85	7.25	16.85	100.00
2001	24.98	13.12	15.03	10.49	5.04	5.05	4.95	6.15	15.19	100.00
2002	25.32	12.32	13.63	10.39	5.22	5.95	4.45	6.26	16.46	100.00
2003	25.56	12.32	11.62	10.01	5.52	6.39	5.36	6.29	16.93	100.00
2004	25.65	12.24	11.48	9.54	5.43	6.29	6.20	6.45	16.72	100.00
2005	26.98	12.72	10.28	9.68	5.97	6.81	5.67	6.38	15.51	100.00
2006	27.51	12.03	10.19	7.71	6.52	8.07	5.86	6.55	15.56	100.00
2007	25.29	13.02	11.28	8.77	7.22	6.72	5.68	6.33	15.69	100.00
2008	28.78	11.12	10.16	8.32	7.56	6.84	6.25	5.96	15.01	100.00
2009	28.26	11.23	9.75	8.95	7.47	6.88	6.77	6.04	14.65	100.00
2010	30.69	11.45	8.66	8.90	8.58	6.42	6.24	6.48	12.59	100.00
2011	29.97	10.68	11.20	9.33	7.90	6.36	6.15	6.55	11.85	100.00
2012	30.57	10.85	10.81	9.27	8.03	6.57	6.22	6.48	11.20	100.00
2013	28.80	10.10	11.48	9.33	8.60	5.59	6.67	6.64	12.79	100.00

- Note:** 1. - 'Others' include to remaining major cause group.
 2. - Data in above table may not be strictly comparable over the reporting years due to switchover in the use of ICD-9 to ICD-10 in the State in tabulation from 1996 onwards and basic data on MCCD is for the years 1997 to 2013.

The data reveals that, the group of '*Diseases of the Circulatory System*' has not only occupied the position of top-most killer, but its percentage to total medically certified deaths has registered an increasing trend over the year. The major cause group '*Certain Infectious and Parasitic Diseases*' has shown on an average, a declining trend in its share to total deaths over the years.

3.5.1 The proportion of deaths due to '*Injury, Poisoning and Certain Other Consequences of External Causes*' has exhibited a fluctuating pattern over the years.

3.5.2 The group of '*Diseases of Certain Conditions Originating in Perinatal Period*' which is the prime causes of deaths among infants, has shown more or less a declining trend in percentage term over the years.

3.5.3 The share of medically certified deaths due to '*Diseases of Respiratory System*' has varied in the range of 5.04 to 8.60 per cent during the period of 1997 to 2013, thus accounting for around 5 to 8 deaths per hundred reported medically certified deaths. What is important is that the proportion of deaths due to '*Diseases of Respiratory System*' has shown an increasing tendency.

3.5.4 The share of medically certified deaths due to '*Endocrine, Nutritional and Metabolic Diseases*' has shown an increasing trend over the years, but, it is decreased to 5.59 per cent during 2013

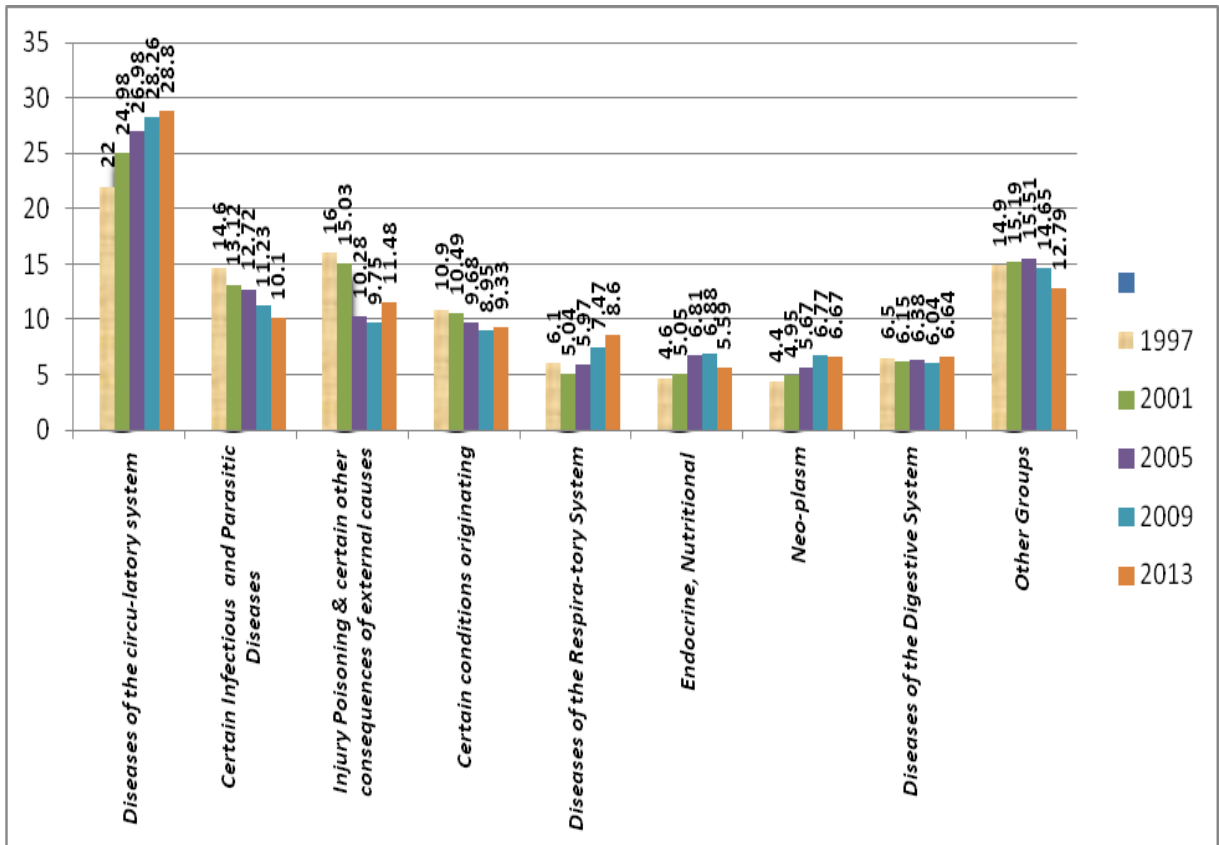
3.5.5 The percentage of deaths due to '*Neoplasms*' has varied from 3.85 per cent to 6.77 per cent over the years. In 2013, the percentage of medically certified deaths due to '*Diseases of Digestive System*' is 6.64 as against 7.25 in 2000. The share of deaths due to this cause has an average of 6 per cent since 1997 except in the year 2000 (7.25 per cent).

3.5.6 The groups "*other than*" the eight leading ones viz., *Diseases of the Skin and Subcutaneous Tissue, Pregnancy, Child Birth and the Puerperium, Congenital Malformations, Deformations and Chromosomal Abnormalities etc.*, constitutes less than 17 per cent of the total medically certified deaths since 1997.

3.5.7 The **Chart-4** shows the percentage share of leading cause groups of death in Medical Certification of Cause of Death for the years 1997, 2001 2005, 2009 and 2013.

Chart –4

PERCENTAGE DISTRIBUTION OF LEADING CAUSE GROUPS OF DEATHS UNDER MCCD OVER THE YEARS



3.6 The Districtwise distribution of medically certified deaths by eight major cause groups is given in **Statement-5A**. The institutions covered under the MCCD are mostly located in urban areas of the different district in view of the availability of requisite facilities for assigning cause of deaths. Consequently, the number of deaths reported therein may lack the representative character at the district level. An attempt has been made to present the comparative situations of major cause groups, based upon medically certified deaths reported by different districts, as their number is reasonably adequate to throw valuable insight into deaths by various cause groups and their gravity.

Statement - 5A
Districtwise Distribution of Medically Certified Deaths by Eight Leading Cause-Groups during -2013

Sl.No	DISTRICT NAME	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	NEOPLASMS (C00-D48)	OTHER GROUPS	TOTAL
1	Bagalkote	27.73	12.17	7.09	18.72	6.76	12.54	2.52	2.86	9.61	100
2	Bangalore(U)	35.00	8.81	8.21	3.42	7.86	6.29	7.25	9.94	13.22	100
3	Bangalore(R)	20.04	15.96	18.18	7.05	15.03	7.42	5.38	2.23	8.72	100
4	Belgaum	29.95	9.65	7.24	9.32	9.23	7.98	5.96	4.19	16.49	100
5	Bellary	28.28	13.68	13.50	12.09	8.71	5.36	2.85	2.73	12.79	100
6	Bidar	26.65	10.98	10.46	23.20	6.34	5.88	1.86	4.23	10.41	100
7	Bijapur	25.77	12.51	6.32	24.48	6.94	6.76	3.53	1.42	12.28	100
8	Chamarajanagar	34.40	11.97	6.58	1.35	21.75	2.53	1.85	1.35	18.21	100
9	Chikballapur	38.58	12.40	0.00	3.54	19.29	6.69	3.94	4.72	10.83	100
10	Chikmagalur	31.11	8.40	4.67	2.32	17.29	1.83	1.61	14.41	18.37	100
11	Chitradurga	25.81	13.78	23.29	9.23	7.95	2.96	4.87	2.04	10.07	100
12	D.Kannada	24.45	8.84	13.15	4.57	10.15	7.70	6.84	11.81	12.49	100
13	Davanagere	19.96	10.96	19.46	16.73	7.13	6.56	4.68	2.67	11.85	100
14	Dharwad	26.06	11.34	12.04	12.97	9.48	6.10	5.97	4.08	11.95	100
15	Gadag	24.10	12.45	15.73	12.45	9.34	6.94	4.29	2.82	11.90	100
16	Gulbarga	20.37	11.13	31.76	15.77	4.98	3.51	2.45	1.40	8.64	100
17	Hassan	24.50	6.19	24.50	11.09	9.81	6.15	4.25	3.48	10.03	100
18	Haveri	25.84	9.51	14.69	19.93	11.08	4.66	3.15	1.64	9.51	100
19	Kodagu	27.81	4.95	34.22	10.96	3.88	5.21	4.14	2.94	5.88	100
20	Kolar	20.81	14.45	15.45	10.17	9.21	4.44	7.76	5.99	11.72	100
21	Koppal	15.56	6.34	50.72	1.73	5.19	5.19	2.31	0.86	12.10	100
22	Mandya	31.14	9.25	14.69	9.67	10.76	5.65	3.98	3.10	11.76	100
23	Mysore	22.00	12.23	11.23	14.57	6.31	7.24	5.91	6.25	14.26	100
24	Raichur	24.93	11.73	14.44	20.87	8.29	5.47	1.92	1.64	10.72	100
25	Ramanagara	29.27	9.21	16.80	7.86	12.47	9.49	2.17	3.25	9.49	100
26	Shimoga	32.96	9.09	11.42	12.41	8.65	6.82	4.54	3.69	10.42	100
27	Tumkur	30.24	13.63	8.61	6.25	13.72	8.17	6.28	4.21	8.89	100
28	Udupi	30.65	9.86	8.61	3.82	8.67	7.42	5.71	10.41	14.85	100
29	U.Kannada	25.28	4.19	5.40	20.96	6.09	12.77	2.78	3.47	19.06	100
30	Yadgir	4.00	5.33	38.67	22.67	5.33	1.33	2.67	0.00	20.00	100
	Total	28.80	10.10	11.48	9.33	8.60	6.64	5.59	6.67	12.81	100

- 3.6.1** As depicted in the Statement 5A, more than twenty per cent of total medically certified deaths reported from all of the districts belong to the cause group ***Diseases of Circulatory System***. In Chikkaballpur as high as 38.58 percent of deaths (nearly 4 out of 10 deaths), have been reported to be medically certified as Circulatory system deaths as against Yadgir which has reported as low as 4.00 percent with the corresponding figure for all reporting districts taken together to be 28.80 percent (nearly 3 out of 10 deaths).
- 3.6.2** The group ***Certain Infectious & Parasitic Diseases*** constitutes 10.10 percent of medically certified deaths for all the reporting districts taken together. Its share in total medically certified deaths of Uttara Kannada district as low as 4.19 percent as against 15.96 percent in Bangalore Rural District.
- 3.6.3** The share of major cause group ***Injury, Poisoning and Certain other Consequences of External Causes*** reported high in case of Koppal district 50.72 per cent whereas it is low in Chikmagalur district 4.67 per cent and it is 'Nil' in Chickballapur district in their respective totals of medically certified deaths.
- 3.6.4** The percentage of medically certified deaths due to ***Certain Conditions Originating in the Perinatal Period*** is in the range of 10 to 25 per cent in Bagalkote, Bellary, Bidar, Bijapur, Davanagere, Dharwad, Gadag, Gulbarga, Hassan, Haveri, Kodagu, Kolar, Mysore, Raichur, Shimoga and Uttara Kannada districts, whereas in other districts it is less than 10 per cent.
- 3.6.5** The group, ***Diseases of Respiratory System*** constitutes 10 per cent or more of medically certified deaths in nine districts, viz., Bangalore (R), Chamarajanagar, Chickballapur, Chikmagalur, Dakishna Kannada, Haveri, Mandya, Ramanagar and Tumkur districts.
- 3.6.6** The share of medically certified deaths due to ***Diseases of the Digestive System*** is reported high in the Uttara Kannada district as 12.77 per cent whereas it is reported low in the district of Yadgir as 1.33 per cent. Whereas in other districts its percentage accounting for around 3 to 10 per cent.
- 3.6.7** The share of medically certified deaths due to ***Endocrine, Nutritional and Metabolic Diseases*** exceeded 5 per cent of total medically certified only in the 9 districts viz., Bangalore(U), Bangalore(R), Dakshina Kannada, Dharwad, Kolar, Mysore, Tumkur and Udupi.
- 3.6.8** The percentage share of ***Neoplasms*** deaths is reported as highest as 14 per cent in case of medically certified deaths reported from Chikmagalur District, whereas the share of this major group in case of Koppal district which has reported the lowest as 0.86 per cent and 'Nil' in Yadgir district to the total medical certification of death.

Leading Causes of Deaths

3.7 Diseases of the Circulatory System (IX):

It is the topmost ranking major group of disease, constituting 28.80 per cent of total medically certified deaths. It accounts for 28.89 per cent of males and 28.63 per cent of female deaths in their respective totals of medically certified deaths. The distribution of major components under this cause group is presented in **Statement-6** and is depicted in **Chart-5**.

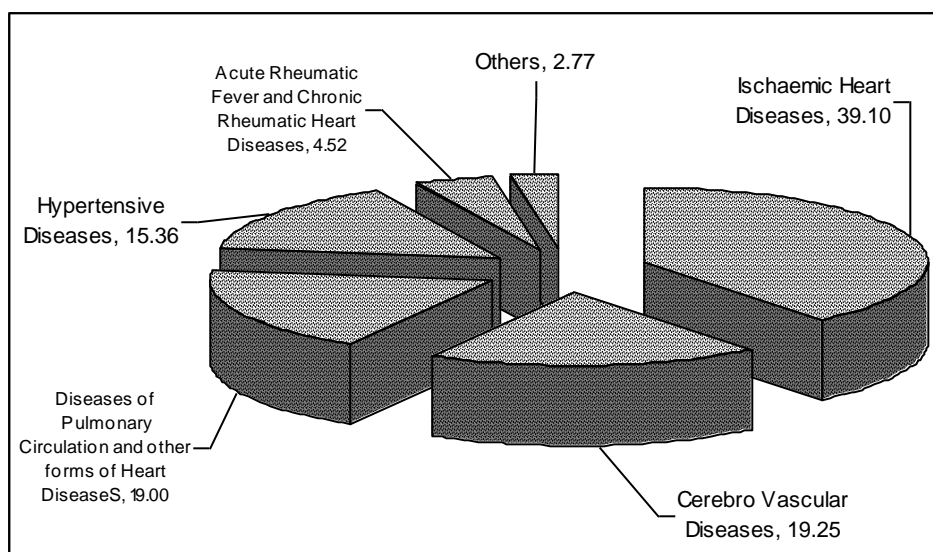
Statement - 6

DISTRIBUTION OF MAJOR CAUSES OF DEATHS AMONG DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Ischaemic Heart Diseases	10648	40.36	5534	36.90	16182	39.10	11.26
2	Cerebrovascular Diseases	5372	20.36	2594	17.30	7966	19.25	5.54
3	Diseases of Pulmonary Circulation and other forms of Heart Diseases	4934	18.70	2929	19.53	7863	19.00	5.47
4	Hypertensive Diseases	3817	14.47	2538	16.92	6355	15.36	4.42
5	Acute Rheumatic Fever and Chronic Rheumatic Heart Diseases	889	3.37	980	6.53	1869	4.52	1.30
6	Others	724	2.74	422	2.81	1146	2.77	0.80
	Total Medically Certified Deaths due to Diseases of Circulatory System	26384	100.00	14997	100.00	41381	100.00	
	Deaths due to Diseases of Circulatory system as percentage to total medically certified deaths		28.89		28.63		28.80	

Chart – 5

PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM – 2013



3.7.1 The Sub-group '**Ischemic Heart Diseases (IHD)**' characterized by reduced blood supply to the heart muscle, usually due to coronary artery disease (arthrosclerosis of the Coronary arteries) accounts for the highest no.of deaths (**39.10 per cent**) under the major group '**Diseases of Circulatory System**'. Furthermore, around every 11th medically certified deaths has been reported to be caused by IHD alone. The sub groups '**Cerebrovascular Diseases**' and '**Diseases of Pulmonary Circulation and other forms of heart DiseaseS**' are reported to be the second highest cause of deaths constituting **19.25 per cent** and **19.00 per cent** of the Circulatory system deaths followed by '**Hypertensive Diseases (15.36 per cent)**'. The percentages of male deaths to female deaths are more in the cause group of Ischemic Heart Diseases and Cerebro Vascular Diseases. It is vis-a-versa in the cause group of **Diseases of Pulmonary Circulation and Other Forms of Heart Diseases and Hypertensive Diseases**.

3.7.2 The age distribution of medically certified deaths due to '**Diseases of Circulatory System**' has been given in **Statement-7** and highlighted in **Chart-6**. The age distribution under this cause group is in consonance with the general epidemiology of circulatory system which increase with age.

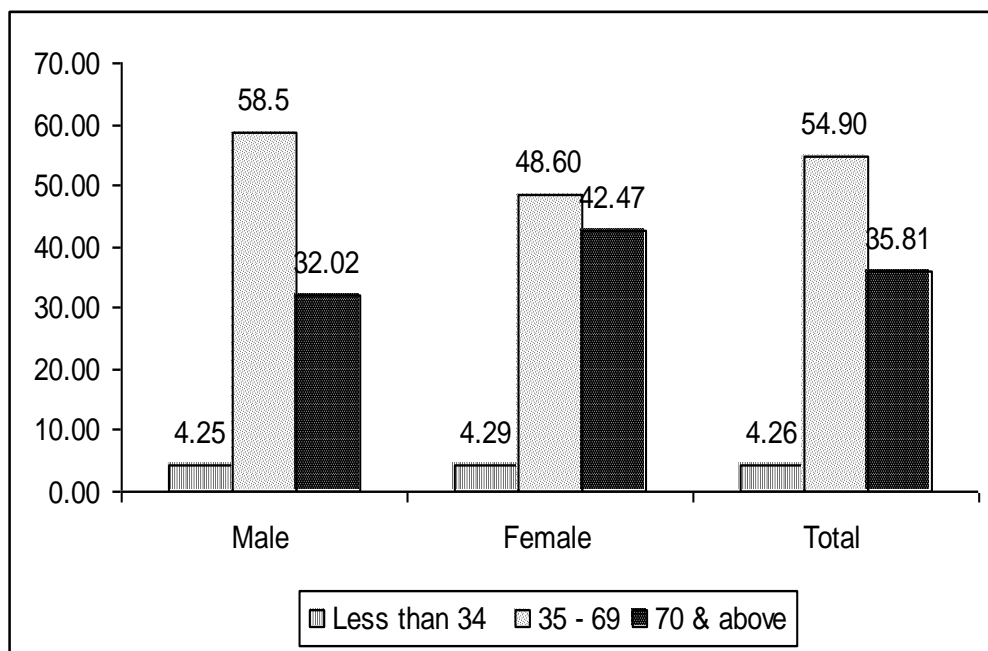
Statement -7

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF CIRCULATORY SYSTEM UNDER MCCD-2013

Sl. No	Age Group (in years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	32	0.12	23	0.15	55	0.13
2	1-4	23	0.09	25	0.17	48	0.12
3	5-14	50	0.19	59	0.39	109	0.26
4	15-24	142	0.54	107	0.71	249	0.60
5	25-34	872	3.31	431	2.87	1303	3.15
6	35-44	2195	8.32	888	5.92	3083	7.45
7	45-54	3871	14.67	1571	10.48	5442	13.15
8	55-64	5855	22.19	2773	18.49	8628	20.85
9	65-69	3509	13.30	2056	13.71	5565	13.45
10	70 & above	8448	32.02	6369	42.47	14817	35.81
11	Age Not Stated	1387	5.26	695	4.63	2082	5.03
	Total	26384	100	14997	100	41381	100

Chart - 6

AGE DISTRIBUTION OF DEATHS DUE TO "DISEASES OF CIRCULATORY SYSTEM" UNDER MCCD - 2013



3.8 Injury Poisoning and Certain Other Consequences of External Causes (XIX):

It is the second leading cause group responsible for 11.48 per cent of total medically certified deaths. This has caused 11.73 per cent of male and 11.03 per cent of female deaths. Under this cause group '*Poisonings by drugs and biological substances and toxic effects of substances chiefly non-medicinal as to source*' alone have contributed to **32.59 per cent** of the total deaths, this is followed by '*Other Injuries of specified and unspecified and multiple body regions*' with 3928 male and 872 female deaths (29.10 per cent) and '*Burns and Corrosions*' (**22.55 per cent**). Death due to Burns and corrosions among females is 44.88 per cent as compared to 10.50 per cent among males, under this major group. The distribution of chief constituents of the major cause group is given in the **Statement-8** and is depicted in **Chart-7**

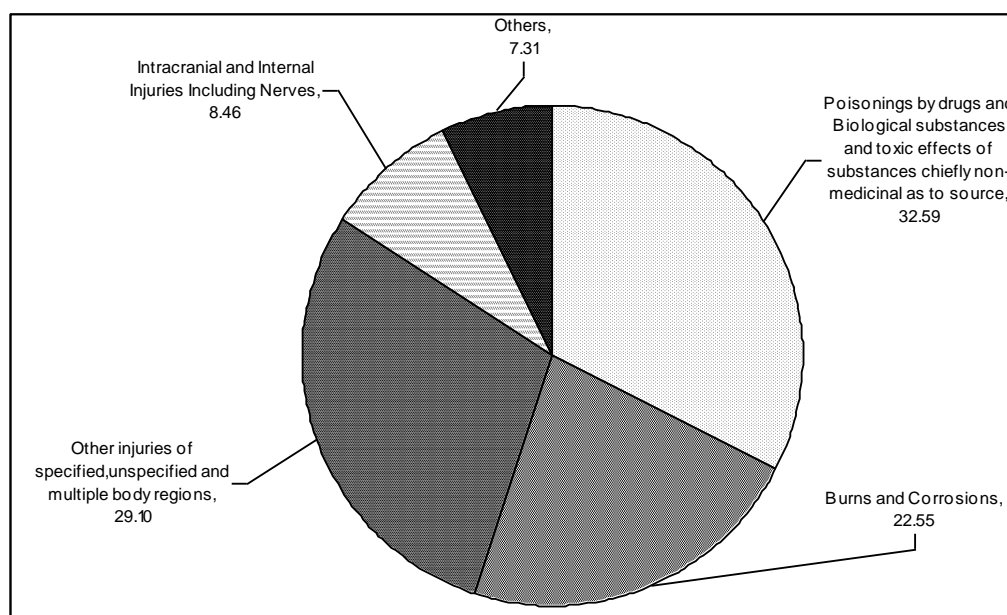
Statement-8

Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source	3633	33.91	1742	30.14	5375	32.59	3.74
2	Other injuries of specified, unspecified and multiple body regions	3928	36.66	872	15.09	4800	29.10	3.34
3	Burns and Corrosions	1125	10.50	2594	44.88	3719	22.55	2.59
4	Intracranial and Internal Injuries Including Nerves	1179	11.00	216	3.74	1395	8.46	0.97
5	Others	849	7.92	356	6.16	1205	7.31	0.84
	Total Medically Certified Deaths due to Diseases of Injury, Poisoning and Certain Other Consequences of External causes.	10714	100.00	5780	100.00	16494	100.00	11.48
	Deaths due to Injury, Poisoning and Certain other consequences of External causes as percentage to total medically certified deaths		11.73		11.03		11.48	

Chart 7

PERCENTAGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING & CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD – 2013



3.8.1 As revealed from the **Statement-9** the highest share of deaths (21.53 per cent) is reported for the age group 25-34 years. This is followed by age groups 15-24 years (17.50 per cent) and 35-44 years (16.87 per cent). These three age-groups together accounts for about 56 per cent of deaths, implying that the working age groups is much more prone to deaths due to this major group. Age-groupwise distribution of deaths due to *'Injury, Poisoning and Certain Other Consequences of External Cause'* is presented in **Chart-8**

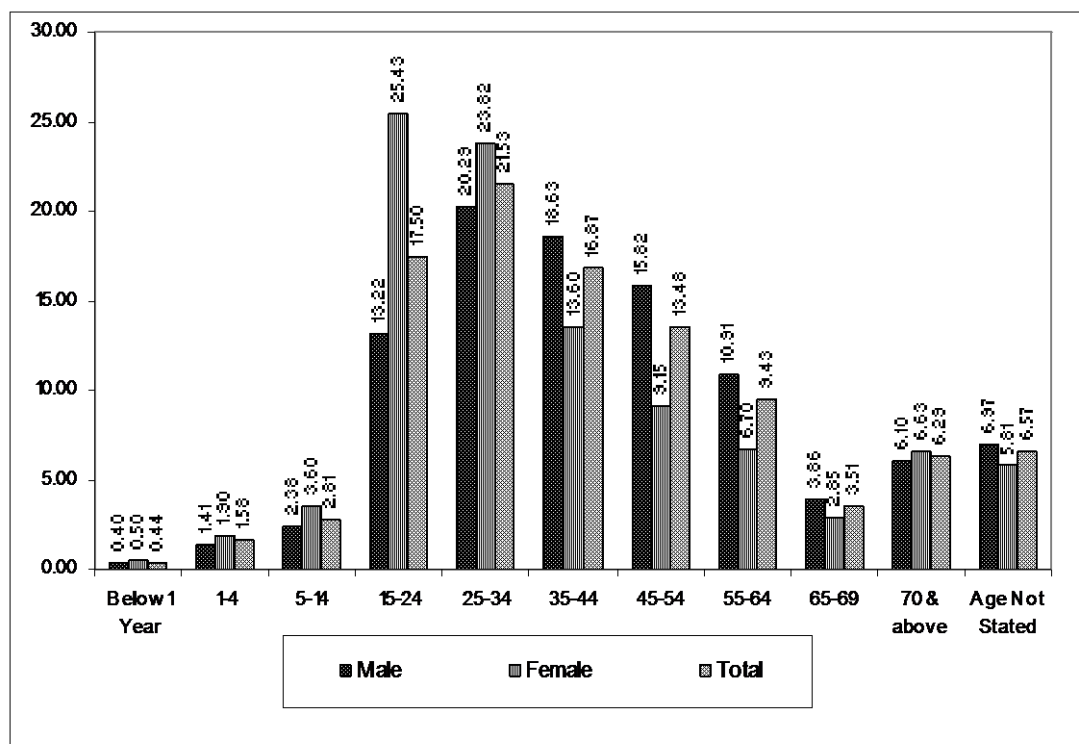
Statement-9

Age Distribution of Deaths due to Injury, Poisoning and Certain other consequences of External causes Under MCCD-2013

Sl. No	Age Group (in Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	43	0.40	29	0.50	72	0.44
2	1-4	151	1.41	110	1.90	261	1.58
3	5-14	255	2.38	208	3.60	463	2.81
4	15-24	1416	13.22	1470	25.43	2886	17.50
5	25-34	2174	20.29	1377	23.82	3551	21.53
6	35-44	1996	18.63	786	13.60	2782	16.87
7	45-54	1695	15.82	529	9.15	2224	13.48
8	55-64	1169	10.91	387	6.70	1556	9.43
9	65-69	414	3.86	165	2.85	579	3.51
10	70 & above	654	6.10	383	6.63	1037	6.29
11	Age Not Stated	747	6.97	336	5.81	1083	6.57
	Total	10714	100.00	5780	100.00	16494	100.00

Chart – 8

AGE DISTRIBUTION OF DEATHS DUE TO INJURY, POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES UNDER MCCD-2013.



3.8.2 Further analysis of deaths due to *‘Injury, Poisonings and Certain Other Consequences of External Causes’*, reveals that the absolute number of reported deaths caused by *‘Burns and Corrosion’* in case of females is more than two (2) times to that of males (1125 males and 2594 females). As detailed in the **Statement-10**, the highest number of deaths due to *‘Burns and Corrosion’* is concentrated in the age group 15-44 years, constituting around 70.53 per cent of deaths under this sub-group. The shares of this age group in the deaths due to *‘Poisonings by drugs & Biological Substances and Toxic effects of substances chiefly non-medicinal as to source’* and *‘Other Injuries of specified, unspecified and multiple Body Regions’* are around 58 per cent and 47 per cent respectively.

Statement-10

AGE DISTRIBUTION OF DEATHS DUE TO POISONING, BURNS CORROSIONS AND OTHER INJURIES UNDER MCCD-2013

Sl. No	Age Group (In Years)	Age Distribution of Deaths Due to		
		Poisonings by drugs and Biological substances and toxic effects of substances chiefly non-medicinal as to source	Burns and Corrosions	Other injuries of specified, unspecified and multiple body regions
1	Below 1 year	0.37	0.67	0.33
2	1-4	1.17	2.50	1.40
3	5-14	2.64	3.44	2.52
4	15-24	17.99	24.87	12.38
5	25-34	22.66	28.96	17.25
6	35-44	17.28	16.70	17.10
7	45-54	13.84	6.75	17.31
8	55-64	9.21	4.06	12.38
9	65-69	3.16	1.26	4.94
10	70 & above	4.13	4.54	8.58
11	Age Not Stated	7.53	6.24	5.81
	Total	100.00	100.00	100.00

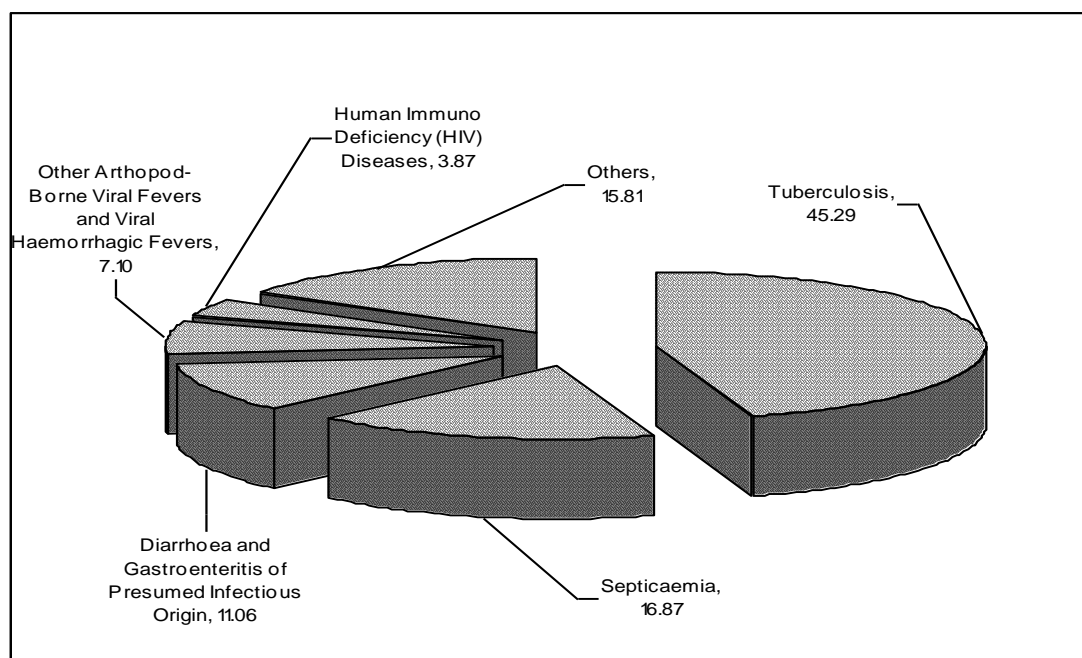
3.9 Certain Infectious and Parasitic Diseases (I):

It is the third leading cause group of disease accounting for 10.10 per cent of total medically certified deaths, which constitute 10.41 per cent of male and 9.54 per cent of female medically certified deaths of their respective totals. The distribution of major components under this cause group is shown in the **Statement11** and is depicted in **Chart-9**

Statement-11
Distribution of Major Causes of Deaths among Certain Infectious and parasitic Diseases Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Tuberculosis(A15-A16)	4767	50.13	1803	36.07	6570	45.29	4.57
2	Septicaemia(A40-A41)	1462	15.37	985	19.71	2447	16.87	1.70
3	Diarrhoea and Gastroenteritis of Presumed Infectious Origin(A09)	894	9.40	711	14.23	1605	11.06	1.12
4	Other Arthropod-Borne Viral Fevers and Viral Haemorrhagic Fevers	568	5.97	462	9.24	1030	7.10	0.72
5	Human Immunodeficiency Virus (HIV) Disease (B20-B24)	373	3.92	189	3.78	562	3.87	0.39
6	Others	1446	15.21	848	16.97	2294	15.81	1.60
	Total Medically Certified Deaths due to Certain Infectious and Parasitic Diseases	9510	100.00	4998	100.00	14508	100.00	10.10
	Deaths due to Infectious and Parasitic Disease as percentage to total medically certified deaths		10.41		9.54		10.10	

Chart – 9
PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN INFECTIOUS & PARASITIC DISEASES - 2013–



3.9.1 Among the *Certain Infectious and Parasitic Diseases*, ‘*Tuberculosis*’ is the highest reported medically certified cause of mortality, constituting around **45.29 per cent** followed by ‘*Septicemia*’ (**16.87 per cent**). Under this major group, percentage of *Tuberculosis* deaths in females is **36.07** per cent as against **50.13** per cent of males out of their respective totals. The share of ‘*Diarrhoea & Gastroenteritis of presumed Infectious Origin*’, ‘*Other Arthropad Borne Fevers and Viral Haemorrhagic fevers*’ and ‘*HIV disease*’ in the total deaths under this group are **11.06, 7.10 and 3.87** per cent respectively.

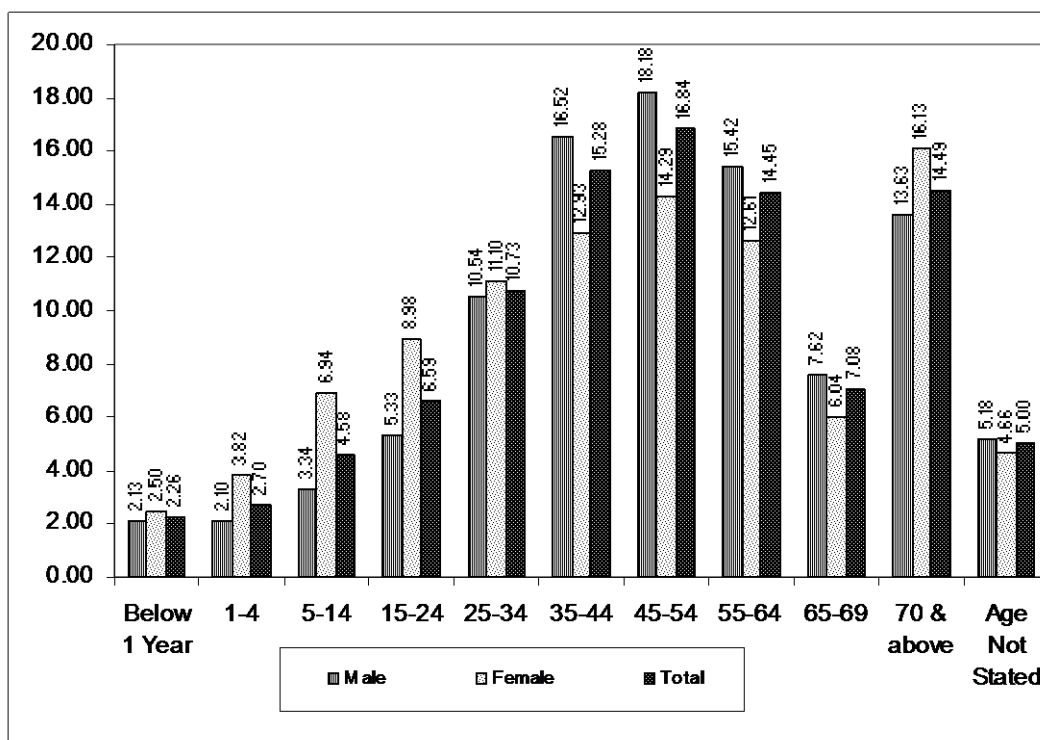
3.9.2 The age distribution of medically certified deaths due to ‘*Certain Infectious and Parasitic Diseases*’ has been given in below **Statement-12** and is presented in **Chart-10**

Statement-12

Age Distribution of Deaths due to Certain Infectious and Parasitic Diseases Under MCCD-2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	203	2.13	125	2.50	328	2.26
2	1-4	200	2.10	191	3.82	391	2.70
3	5-14	318	3.34	347	6.94	665	4.58
4	15-24	507	5.33	449	8.98	956	6.59
5	25-34	1002	10.54	555	11.10	1557	10.73
6	35-44	1571	16.52	646	12.93	2217	15.28
7	45-54	1729	18.18	714	14.29	2443	16.84
8	55-64	1466	15.42	630	12.61	2096	14.45
9	65-69	725	7.62	302	6.04	1027	7.08
10	70 & above	1296	13.63	806	16.13	2102	14.49
11	Age Not Stated	493	5.18	233	4.66	726	5.00
	Total	9510	100.00	4998	100.00	14508	100.00

Chart -10
AGE DISRIBUTION OF DEATHS DUE TO “CERTAIN INFECTIOUS & PARASITIC DISEASES” UNDER MCCD – 2013



As shown in the **Statement-9**, the highest incidence of deaths (16.84 per cent) is reported for the age group 45-54 years, closely followed by age groups 35-44 years (15.28 per cent) and 55-64 years (14.45 per cent). The age-group 25-64 years has contributed to around 57.30 per cent of total deaths under the cause group ‘*Certain Infectious and Parasitic Diseases*’

3.10 Certain Conditions Originating in the Perinatal Period (XVI):

The group of diseases relating to ‘*Certain conditions originating in the Perinatal Period*’ is the fourth leading cause of death, accounting 9.33per cent of the total medically certified deaths. This has contributed to 8.82 per cent of male and 10.22 per cent of female medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-13** and is portrayed in the **Chart-11**

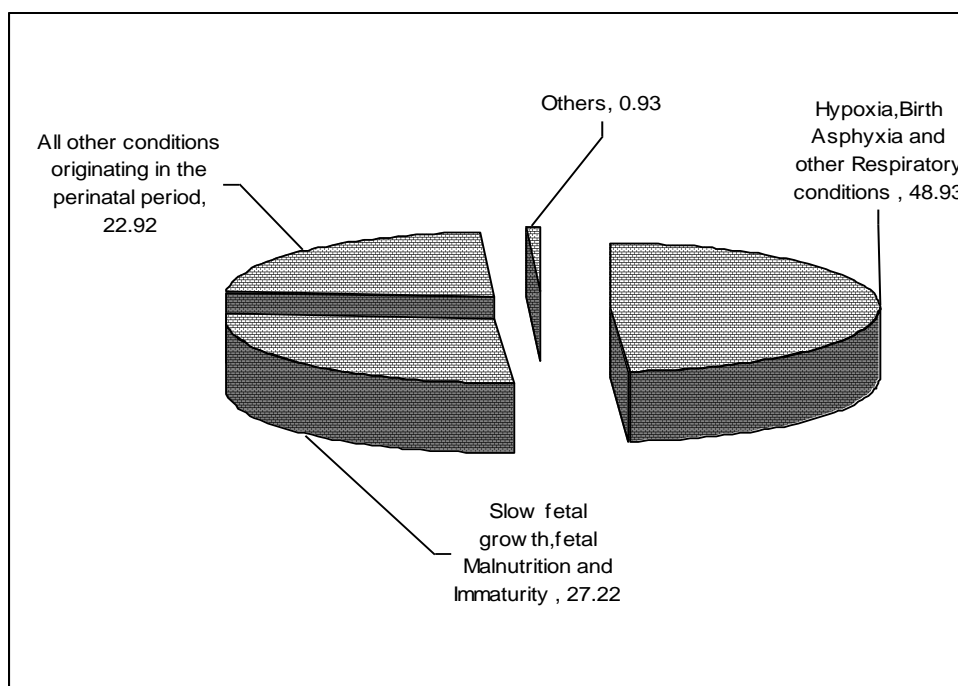
Statement-13

Distribution of Deaths due to Certain Conditions Originating in the Perinatal Period Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Hypoxia,Birth Asphyxia and other Respiratory conditions	3962	49.20	2597	48.51	6559	48.93	4.56
2	Slow fetal growth,fetal Malnutrition and Immaturity	2165	26.88	1484	27.72	3649	27.22	2.54
3	All other conditions originating in the perinatal period	1847	22.94	1226	22.90	3073	22.92	2.14
4	Others	79	0.98	46	0.86	125	0.93	0.09
	Total Medically Certified Deaths due to certain Conditions Originating in the Perinatal Period	8053	100.00	5353	100.00	13406	100.00	9.33
	Deaths due to certain Conditions Originating in the Perinatal Period as percentage to total Medically Certified Deaths		8.82		10.22		9.33	

Chart – 11

PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS DUE TO CERTAIN CONDITIONS ORIGINATING IN PERINATAL PERIOD –2013



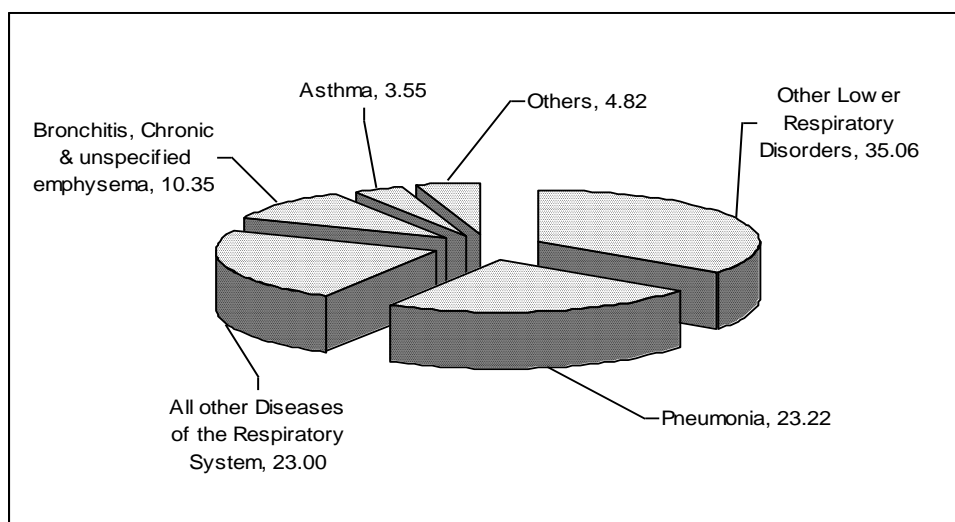
3.11 Diseases of the Respiratory System (X):

The major group of Diseases of Respiratory System is the fifth leading cause, responsible for 8.60 per cent of the total medically certified deaths. This has contributed to 8.91 per cent of male and 8.04 per cent of female deaths. The distribution of chief constituents of the major cause group is given **Statement-14** and is presented in **Chart-12**.

Statement – 14
Distribution of Deaths due Diseases of Respiratory system Under
MCCD-2013

Sl.No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Lower Respiratory Disorders	3172	38.97	1159	27.52	4331	35.06	3.01
2	Pneumonia	1754	21.55	1114	26.45	2868	23.22	2.00
3	All other Diseases of the Respiratory System	1824	22.41	1017	24.15	2841	23.00	1.98
4	Asthma	732	8.99	546	12.96	1278	10.35	0.89
5	Bronchitis, Chronic & unspecified emphysema	267	3.28	172	4.08	439	3.55	0.31
6	Others	391	4.80	204	4.84	595	4.82	0.41
	Total Medically Certified Deaths due to Diseases of Respiratory System	8140	100.00	4212	100.00	12352	100.00	8.60
	Deaths due to Diseases of Respiratory system as percentage to total medically certified deaths		8.91		8.04		8.60	

Chart – 12
PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF
RESPIRATORY SYSTEM UNDER MCCD – 2013



3.11.1 *'Other lower Respiratory disorders'*, is the leading cause of death, has caused 30 out of every hundred reported deaths under the major cause group. It is followed by *'Pneumonia'* an inflammatory illness of the lung and also one of the leading cause of death in this major group constitutes about 23.22 per cent of the deaths. *'All other Diseases of the Respiratory System'* has caused 23 out of every hundred reported deaths. The percentage share of Pneumonia to the total medically certified deaths is 2 percent with the corresponding share of Asthma being 0.89 per cent. The age composition of deaths due to 'Diseases of Respiratory System' is presented in **Statement-15** and is highlighted in **Chart-13**.

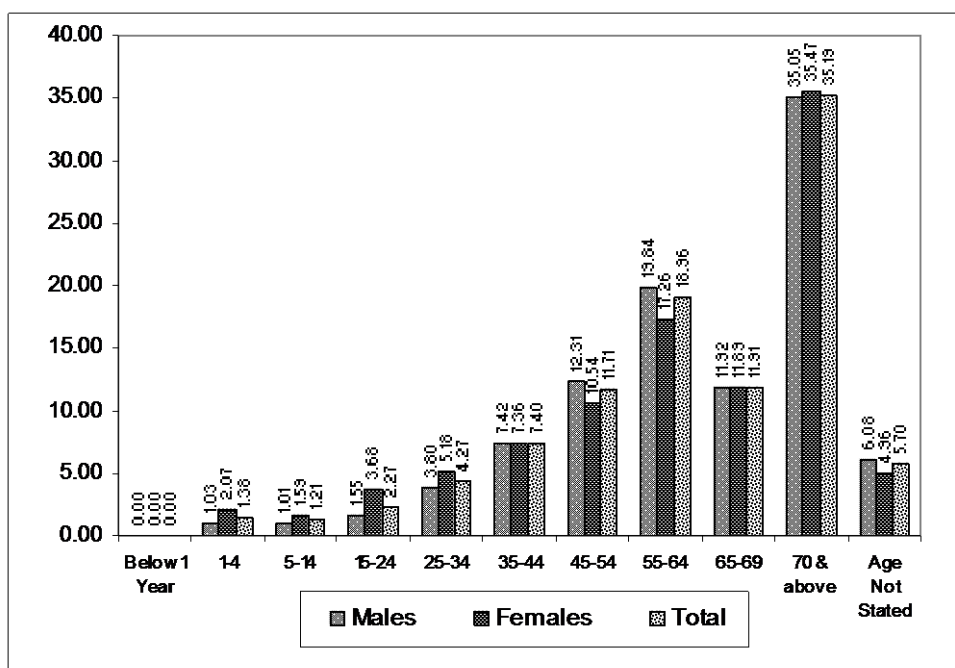
Statement – 15

Age Distribution of Deaths due to Diseases of Respiratory system Under MCCD-2013

Sl. No	Age Group (In years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0.00	0	0.00	0	0.00
2	1-4	84	1.03	87	2.07	171	1.38
3	5-14	82	1.01	67	1.59	149	1.21
4	15-24	126	1.55	155	3.68	281	2.27
5	25-34	309	3.80	218	5.18	527	4.27
6	35-44	604	7.42	310	7.36	914	7.40
7	45-54	1002	12.31	444	10.54	1446	11.71
8	55-64	1615	19.84	727	17.26	2342	18.96
9	65-69	970	11.92	501	11.89	1471	11.91
10	70 & above	2853	35.05	1494	35.47	4347	35.19
11	Age Not Stated	495	6.08	209	4.96	704	5.70
	Total	8140	100.00	4212	100.00	12352	100.00

Chart – 13

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF RESPIRATORY SYSTEM UNDER MCCD – 2013



3.11.2 The age group '70 and above years' has reported maximum incidence of deaths (35.19 per cent) under the major cause group followed by the age group '55-64 years' with 18.96 per cent of deaths due to 'Diseases of Respiratory system'. The children of age group 0-4 have contributed to only 1.38 per cent of total deaths, under this major cause group. The major chunk of deaths under this cause group is concentrated in the age group '45 year and above', constituting around 78 per cent of deaths. The percentages of female deaths aged 34 years and below to total female deaths under this cause group are on a higher side as compared to corresponding figures for males (i.e. 12.52 per cent for females compared to 7.39 per cent of males).

3.12. Neoplasms (II) : The Sixth leading cause, *Neoplasm*, which is commonly known as Cancer, is responsible for 6.67 per cent of the total medically certified deaths. The share of deaths due to *Neoplasms* in total female deaths is 7.74 per cent as compared to the corresponding figure of 6.05 per cent in case of males. Among total female medically certified deaths, it is the sixth leading cause of death. The distribution of major causes of deaths under the group is given in the **Statement-16** and depicted in **Chart-14**.

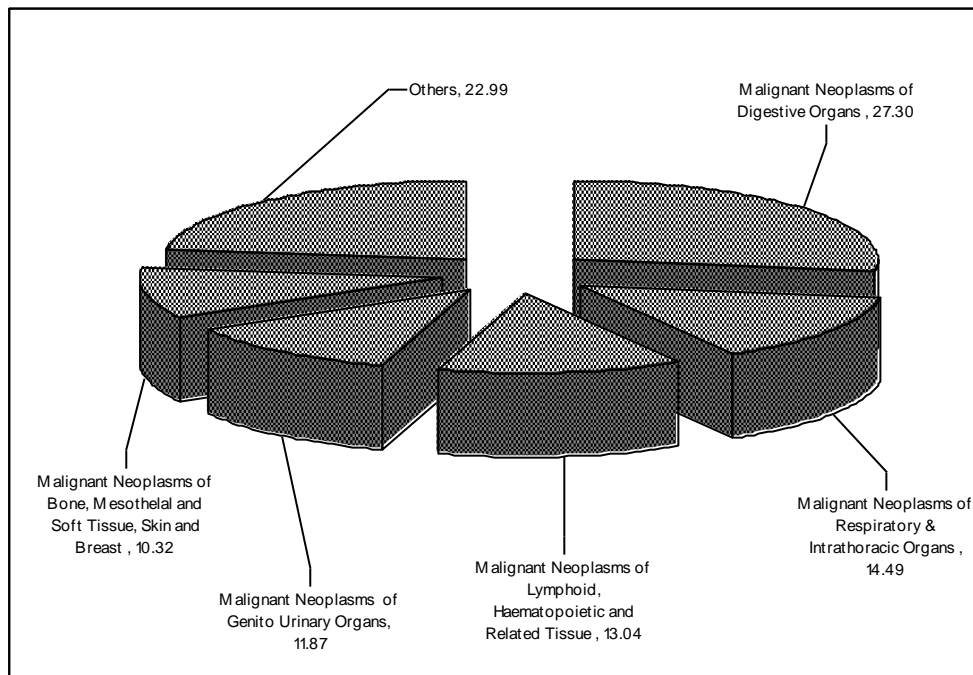
Statement- 16

Distribution of Major Causes of Deaths Due to Neoplasms under MCCD–2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Malignant Neoplasms of Digestive Organs	1716	31.06	899	22.17	2615	27.30	1.82
2	Malignant Neoplasms of Respiratory & Intrathoracic Organs	1059	19.17	329	8.11	1388	14.49	0.97
3	Malignant Neoplasms of Lymphoid, Haematopoietic and Related Tissue	699	12.65	550	13.56	1249	13.04	0.87
4	Malignant Neoplasms of Genito Urinary Organs	494	8.94	643	15.86	1137	11.87	0.79
5	Malignant Neoplasms of Bone, Mesothelial and Soft Tissue, Skin and Breast	141	2.55	848	20.91	989	10.32	0.69
6	Others	1416	25.63	786	19.38	2202	22.99	1.53
	Total Medically Certified Deaths due to Neoplasms	5525	100.00	4055	100.00	9580	100.00	6.67
	Deaths due to Neoplasms as percentage to total Medically Certified Deaths		6.05		7.74		6.67	

CHART – 14

PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO NEOPLASMS UNDER MCCD – 2013



3.12.1 Among the Neoplasm deaths, *‘Malignant Neoplasm of Digestive Organs’* accounts for the highest mortality of 27.30 percent, followed by *‘Malignant Neoplasm of Respiratory Intrathoracic Organs’* (14.49 per cent) *‘Malignant of Lymphoid, haematopoietic & other related tissue’* (13.04 per cent) and *‘Malignant Neoplasms of Genitor-Urinary Organs’* (11.87 per cent). The share of deaths due to Malignant Neoplasms of Digestive Organs in males to total male Neoplasm deaths is 31.06 per cent as against 22.17 per cent of corresponding female deaths. The percentage of female deaths due to *‘Malignant Neoplasm of Genito Urinary organs’* to total female neoplasm deaths is 15.86 per cent as compared to 8.94 per cent of corresponding male deaths. In female deaths due to *‘Malignant Neoplasm of Genito Urinary organs’* proportion of deaths due to Cervical cancer, Ovary is 86.78 per cent . Among female deaths cause by *‘Malignant Neoplasms of bone, mesothelial and soft tissue, skin and breast’* 742 (87.50 per cent) are due to breast cancer. Brest cancer alone accounts for around 18.30 per cent of total female Neoplasm deaths. Among deaths caused by *‘Malignant Neoplasm of Respiratory and Intra Thoracic Organs’* about 63 per cent is due to Lung Cancer in male in their respective group. Lung Cancer alone accounts for around 15.76 per cent of total male Neoplasm deaths.

3.12.2 The incidence of Neoplasm death is reported to be the highest i.e. 23.77 per cent in the age group 55-64 years (24.90 per cent of males and 22.22 per cent of females) followed by the age group ’70 and above years’ recording 22.51 per cent of deaths (24.25 per cent of males and 20.12 per cent of females). Around 87 per cent of total Neoplasm deaths is concentrated in the age-group ‘35 years and above’. It is

supportive of age as a major risk factor of Neoplasm deaths as indicated in epidemiological literature. The age composition of deaths due to 'Neoplasm' is presented in **Statement-17** and **Chart-15**

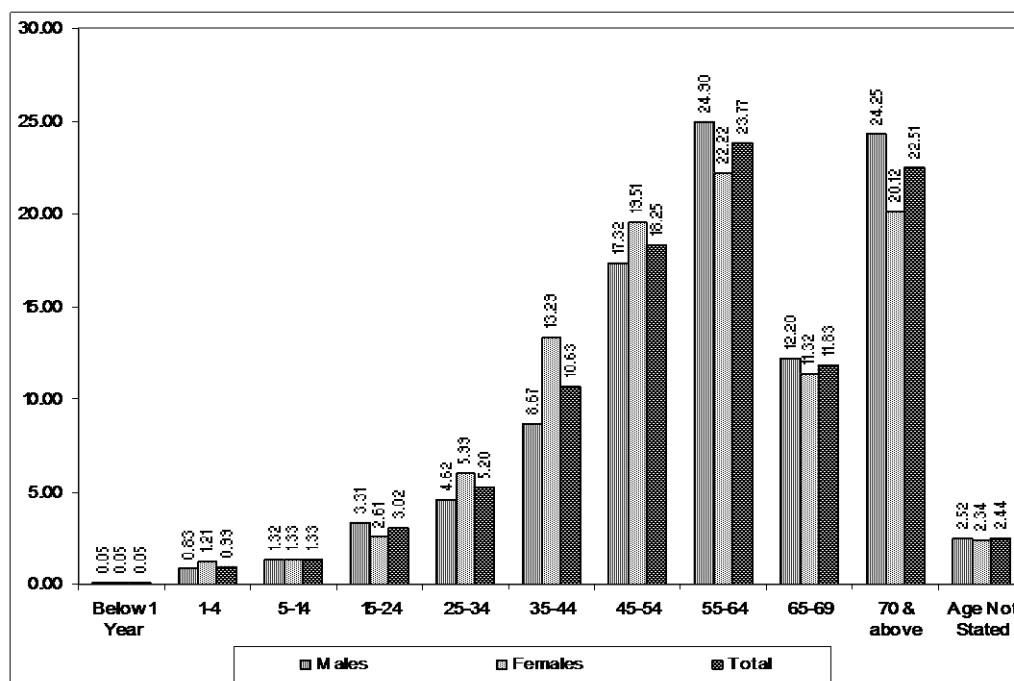
Statement- 17

Age Distribution of Deaths Due to Neoplasm Under MCCD-2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	3	0.05	2	0.05	5	0.05
2	1-4	46	0.83	49	1.21	95	0.99
3	5-14	73	1.32	54	1.33	127	1.33
4	15-24	183	3.31	106	2.61	289	3.02
5	25-34	255	4.62	243	5.99	498	5.20
6	35-44	479	8.67	539	13.29	1018	10.63
7	45-54	957	17.32	791	19.51	1748	18.25
8	55-64	1376	24.90	901	22.22	2277	23.77
9	65-69	674	12.20	459	11.32	1133	11.83
10	70 & above	1340	24.25	816	20.12	2156	22.51
11	Age Not Stated	139	2.52	95	2.34	234	2.44
	Total	5525	100.00	4055	100.00	9580	100.00

CHART- 15

AGE DISTRIBUTION OF DEATHS DUE TO NEOPLASM UNDER MCCD-2013



3.13 Diseases of the Digestive System (XI): The major group comprising '*Diseases of Digestive system*' is the seventh leading cause group, responsible for 6.64 per cent of the total medically certified deaths with 8.53 per cent of male and 3.34 per cent of female deaths. The percentage of male digestive disorder deaths to total medically certified is more than double to that of corresponding female figures. The distribution of major causes of deaths under this group is given in the **Statement-18** and is highlighted in **Chart-16**.

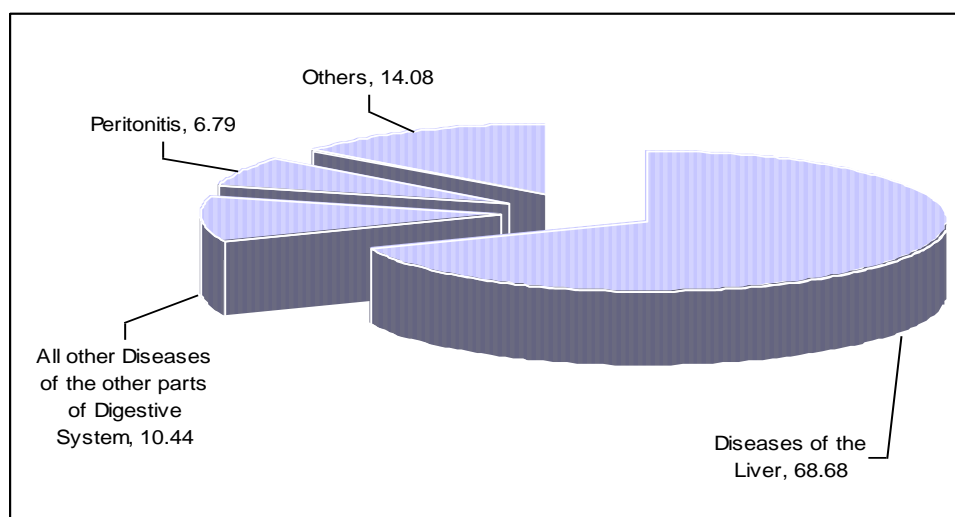
Statement – 18

Distribution of Deaths due to Digestive System Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diseases of the Liver	5644	72.47	907	51.83	6551	68.68	4.56
2	All other Diseases of the other parts of Digestive System	712	9.14	284	16.23	996	10.44	0.69
3	Peritonitis	472	6.06	176	10.06	648	6.79	0.45
4	Others	960	12.33	383	21.89	1343	14.08	0.93
	Total Medically Certified Deaths due to Digestive System	7788	100.00	1750	100.00	9538	100.00	6.64
	Deaths due to Diseases of Digestive System as percentage to total medically certified deaths		8.53		3.34		6.64	

CHART – 16

PERCENTAGE DISTRIBUTION OF DEATHS DUE TO DIGESTIVE SYSTEM UNDER MCCD – 2013



3.13.1 Among the deaths due to disorders of digestive system, '*Diseases of the Liver*' account for 68.68 per cent of the total medically certified deaths in this group. The share of liver diseases is about 5 per cent among the total medically certified deaths. '*All other Diseases of the other parts of the Digestive System*' and '*Peritonitis*' also have responsible for 10.44 per cent and 6.79 per cent of total deaths under this major cause group.

3.13.2 The **Statement-19** reveals that the age group '45-54 years' have reported the maximum deaths (24.80 per cent) under the major group '*Diseases of Digestive System*'. As high as 92.35 per cent of the total deaths caused by digestive system disorder are concentrated in the age-group 25 years and above. This is highlighted in **Chart-17.**

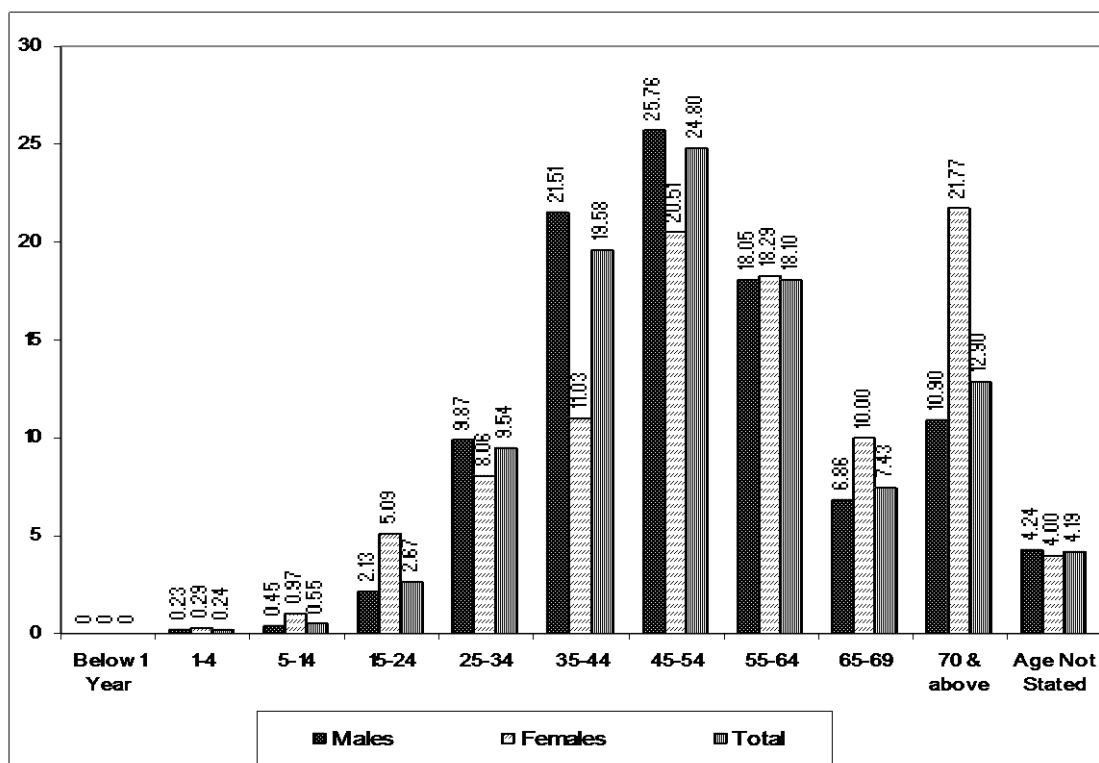
Statement - 19

Age Distribution of Deaths due to Digestive System Under MCCD-2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	0	0	0	0.00
2	1-4	18	0.23	5	0.29	23	0.24
3	5-14	35	0.45	17	0.97	52	0.55
4	15-24	166	2.13	89	5.09	255	2.67
5	25-34	769	9.87	141	8.06	910	9.54
6	35-44	1675	21.51	193	11.03	1868	19.58
7	45-54	2006	25.76	359	20.51	2365	24.80
8	55-64	1406	18.05	320	18.29	1726	18.10
9	65-69	534	6.86	175	10.00	709	7.43
10	70 & above	849	10.90	381	21.77	1230	12.90
11	Age Not Stated	330	4.24	70	4.00	400	4.19
	Total	7788	100.00	1750	100.00	9538	100.00

CHART - 17

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF DIGESTIVE SYSTEM UNDER MCCD – 2013.



3.14 Endocrine, Nutritional and Metabolic Diseases (IV) : This is the eighth leading cause group has contributed to 5.59 per cent of the total medically certified deaths. Under this cause group, '*Diabetes Mellitus*' that causes serious health complications such as renal failures, heart disease, stroke and blindness, is a disease in which Pancreas no longer produces enough insulin or when cells stop responding to the insulin that is produced, so that glucose in the blood cannot be absorbed into the cells of the body, is the leading cause of death. It alone accounts for 80.29 per cent of total deaths reported under the cause group. The share of Diabetes Mellitus in total medically certified deaths is 4.49 percent. The distribution of major causes of deaths under this group is given in **Statement-20** and is depicted in the **Chart-18**.

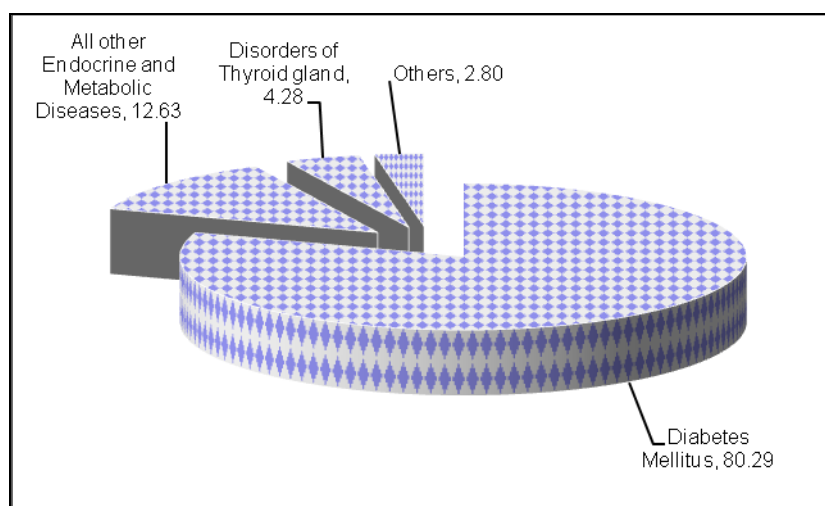
Statement – 20

Distribution of Deaths due to Endocrine, Nutritional and Metabolic Diseases under MCCD – 2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Diabetes Mellitus	3712	80.59	2742	79.90	6454	80.29	4.49
2	All other Endocrine and Metabolic Diseases	645	14.00	370	10.78	1015	12.63	0.71
3	Disorders of Thyroid gland	103	2.24	241	7.02	344	4.28	0.24
4	Others	146	3.17	79	2.30	225	2.80	0.16
	Total Medically Certified Deaths due to Endocrine, Nutritional and Metabolic Diseases	4606	100.00	3432	100.00	8038	100.00	5.59
	Deaths due to Diseases of Endocrine, Nutritional and metabolic Diseases as percentage to total medically certified deaths		5.04		6.55		5.59	

Chart – 18

PERCENTAGE DISTRIBUTION OF DEATHS DUE TO ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES UNDER MCCD – 2013



3.14.1 The incidence of '*Diabetes Mellitus*' death is reported to be the highest for the age group 70 and above (36.98 per cent). The **Statement-21** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 88 per cent of the total Diabetes Mellitus deaths under MCCD.

Statement – 21

Age Distribution of Deaths Due to Diabetes Mellitus Under MCCD – 2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	0	0	0	0	0	0
2	1-4	0	0	0	0	0	0
3	5-14	0	0	0	0	0	0
4	15-24	22	0.59	35	1.28	57	0.88
5	25-34	56	1.51	40	1.46	96	1.49
6	35-44	198	5.33	106	3.87	304	4.71
7	45-54	519	13.98	321	11.71	840	13.02
8	55-64	900	24.25	599	21.85	1499	23.23
9	65-69	525	14.14	446	16.27	971	15.04
10	70 & above	1314	35.40	1073	39.13	2387	36.98
11	Age Not Stated	178	4.80	122	4.45	300	4.65
	Total	3712	100.00	2742	100.00	6454	100.00

Other Causes of Death

3.15 Diseases of the Genito-Urinary System (XIV)

Out of every hundred medically certified deaths, around three are reported from '*Diseases of Genitourinary System*'. Renal failure is the cause of maximum deaths (59.41 per cent) under the '*Genitourinary System*' disease with the overall share of 2.05 per cent in total medically certified deaths. The distribution of major causes under this group is given in **Statement-22** and is shown in **Chart-19**.

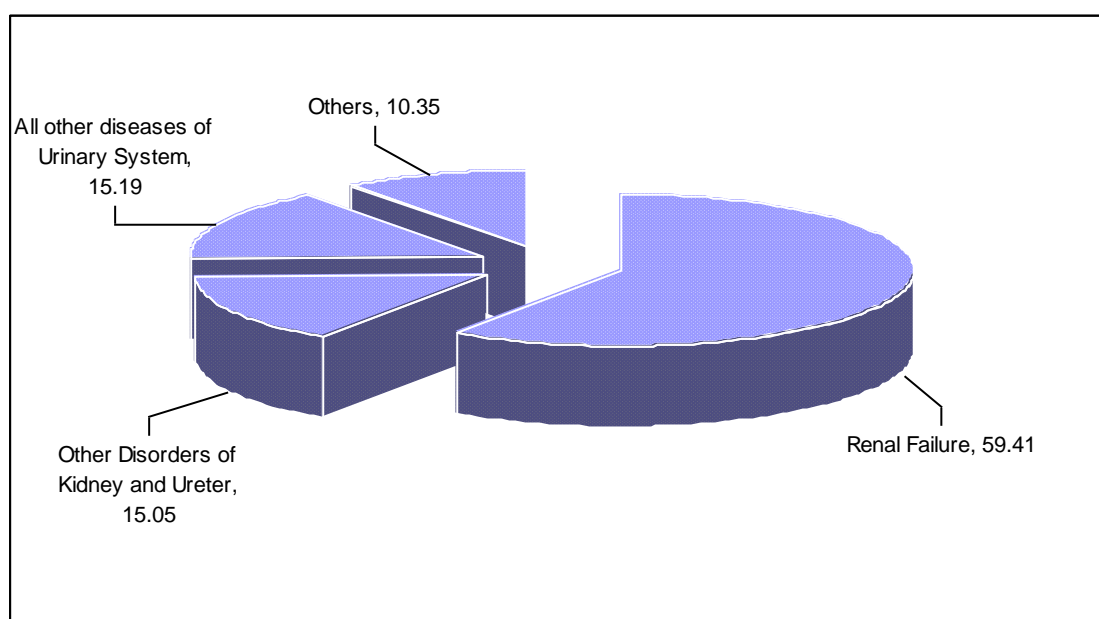
Statement – 22

Distribution of Major Causes of Deaths Due to Diseases of the Genitourinary System Under MCCD – 2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Renal Failure	1933	61.50	1016	55.79	2949	59.41	2.05
2	Other Disorders of Kidney and Ureter	425	13.52	329	18.07	754	15.19	0.52
3	All other diseases of Urinary System	495	15.75	252	13.84	747	15.05	0.52
4	Others	290	9.23	224	12.30	514	10.35	0.36
	Total Medically Certified Deaths due to Genitourinary System	3143	100.00	1821	100.00	4964	100.00	3.45
	Deaths due to Diseases of Genitourinary System as percentage to total Medically certified Deaths		3.44		3.48		3.45	

CHART – 19

PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE GENITOURINARY SYSTEM UNDER MCCD – 2013



3.15.1 The incidence of '*Renal failure*' death is reported to be, the highest for the age '*70 and above years*' (31.50 per cent). The **Statement-23** reveals that the deaths due to this disease are concentrated in the age 45 years and above, contributing around 80 per cent of total deaths reported under MCCD due to renal failure.

Statement – 23

Age Distribution of Deaths Due to Renal Failure Under MCCD-2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 year	0	0	0	0	0	0
2	1-4	0	0	0	0	0	0
3	5-14	0	0	0	0	0	0
4	15-24	51	2.64	39	3.84	90	3.05
5	25-34	87	4.50	55	5.41	142	4.82
6	35-44	156	8.07	53	5.22	209	7.09
7	45-54	298	15.42	151	14.86	449	15.23
8	55-64	428	22.14	169	16.63	597	20.24
9	65-69	231	11.95	159	15.65	390	13.22
10	70 & above	589	30.47	340	33.46	929	31.50
11	Age Not stated	93	4.81	50	4.92	143	4.85
	Total	1933	100.00	1016	100.00	2949	100.00

3.16 Diseases of the Nervous System (VI):

The cause group of Diseases of Nervous System is responsible for 2.69 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is shown in the **Statement-24** and is highlighted in **Chart-20**

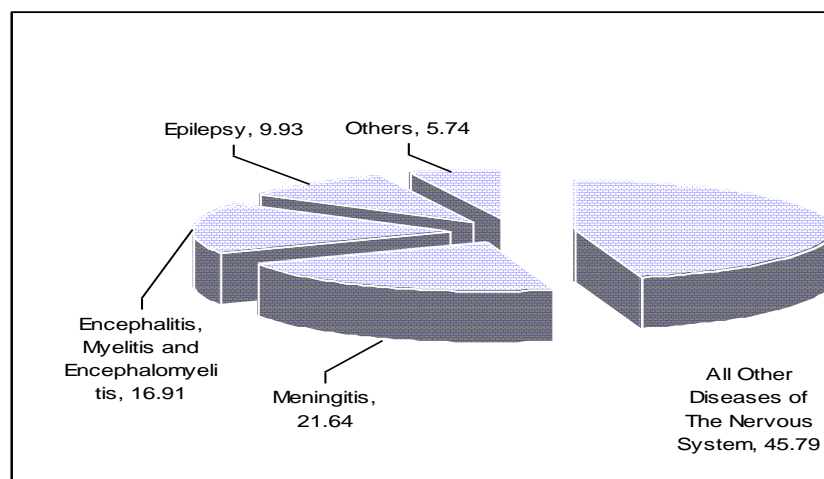
Statement - 24

Distribution of Major Causes of Deaths due to Diseases of the Nervous System under MCCD – 2013

Sl. No	Cause of Death	Male		Female		Total		% to Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All Other Diseases of The Nervous System	1149	47.54	622	42.87	1771	45.79	1.23
2	Meningitis	514	21.27	323	22.26	837	21.64	0.58
3	Encephalitis, Myelitis and Encephalomyelitis	401	16.59	253	17.44	654	16.91	0.46
4	Epilepsy	245	10.14	139	9.58	384	9.93	0.27
5	Others	108	4.47	114	7.86	222	5.74	0.15
	Total Medically Certified Deaths due to Nervous System	2417	100.00	1451	100.00	3868	100.00	2.69
	Deaths due to Diseases of Nervous System as percentage to total Medically Certified Deaths		2.65		2.77		2.69	

Chart – 20

PERCENTAGE DISTRIBUTION OF MAJOR CAUSES OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDER MCCD – 2013



'All other Diseases of the Nervous System' accounts for the maximum (45.79 per cent) deaths reported under this group, followed by *'Meningitis'* (21.64 per cent) and *'Encephalitis Myelitis and Encephalomyelitis'* (16.91 per cent). The share of *'Meningitis'* in the total medically certified deaths is about 0.58 per cent.

3.16.1 The age group '70 & above' has reported the maximum deaths (18.85 per cent) under the major group *'Diseases of the Nervous System'*, this is followed by age groups 45-54 and 55-64 years have 12.07 per cent and 11.19 per cent. Viewed from the angle of age, it affects worstly the age group below 1 year (6.13 per cent). The distribution of age-wise deaths is depicted in **Statement-25** and **Chart-21**

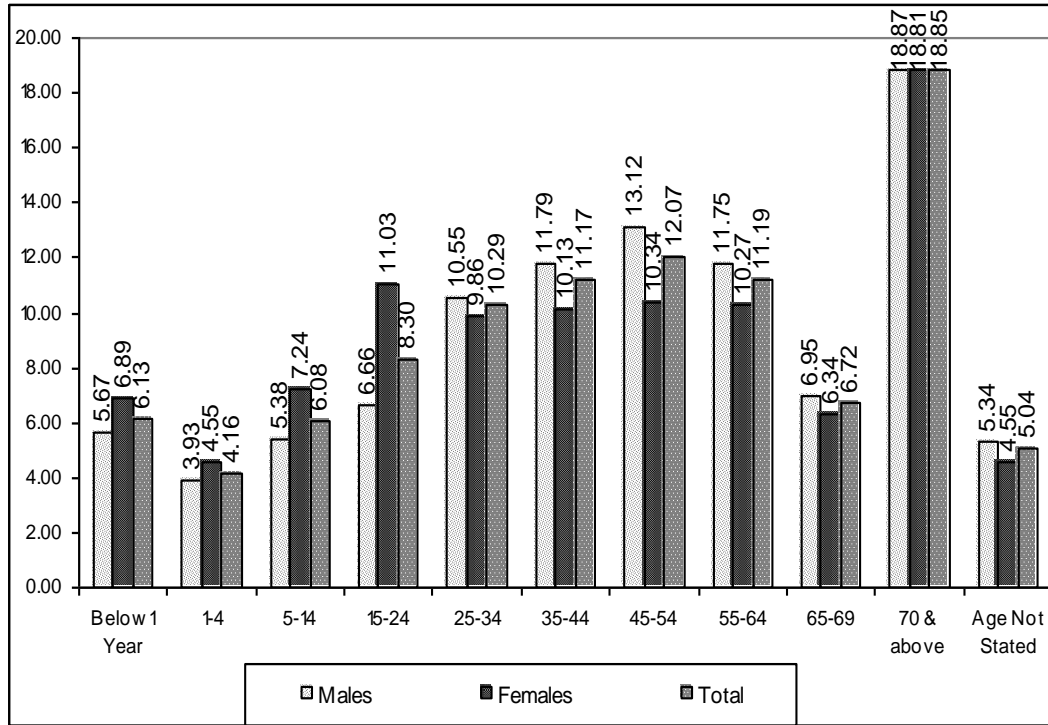
Statement – 25

Agewise Distribution of Deaths Due to Diseases of the Nervous System Under MCCD-2013

Sl. No	Age Group (In Years)	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	137	5.67	100	6.89	237	6.13
2	1-4	95	3.93	66	4.55	161	4.16
3	5-14	130	5.38	105	7.24	235	6.08
4	15-24	161	6.66	160	11.03	321	8.30
5	25-34	255	10.55	143	9.86	398	10.29
6	35-44	285	11.79	147	10.13	432	11.17
7	45-54	317	13.12	150	10.34	467	12.07
8	55-64	284	11.75	149	10.27	433	11.19
9	65-69	168	6.95	92	6.34	260	6.72
10	70 & above	456	18.87	273	18.81	729	18.85
11	Age Not Stated	129	5.34	66	4.55	195	5.04
	Total	2417	100.00	1451	100.00	3868	100.00

Chart- 21

AGE DISTRIBUTION OF DEATHS DUE TO DISEASES OF THE NERVOUS SYSTEM UNDR MCCD – 2013



3.17 Symptoms, Signs and Abnormal Clinical & Laboratory Findings, not elsewhere classified (N.E.C) (XVIII).

This leading major cause group responsible for 1.70 per cent of the total medically certified deaths of which 1.52 per cent of males and 2.02 per cent of female death. The high prevalence of causes of death being reported under this cause from the hospitals reporting Medical Certification of Cause of Death data, clearly suggests about the deficiency in clarification especially improper classification of causes of deaths by the attending doctors. As depicted in the **Statement-26** *“All other Symptoms, Signs and Abnormal Clinical & Laboratory Findings Not Elsewhere Classified”* accounted for 77.99 per cent of the total deaths in this group.

Statement-26

Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	All other Symptoms, Signs and Abnormal Clinical & Laboratory findings, not elsewhere classified	1086	78.19	824	77.74	1910	77.99	1.33
2	Senility	78	5.62	88	8.30	166	6.78	0.12
3	Others	225	16.20	148	13.96	373	15.23	0.26
	Total medically Certified Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified	1389	100.00	1060	100.00	2449	100.00	1.70
	Deaths due to Diseases of Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified as percentage to total medically certified deaths		1.52		2.02		1.70	

3.17.1 As shown in the **Statement-27** the highest incidence of deaths (47.77 per cent) is reported for the age group 70 years and above. The age group “45 years and above” contributed nearly 79 per cent of total mortality reported under this cause group.

Statement-27

Age Distribution of Deaths due to Symptoms Signs and Abnormal Clinical & Laboratory Findings not elsewhere classified Under MCCD-2013

Sl. No	Age Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Below 1 Year	0	0	0	0	0	0
2	1-4	3	0.22	2	0.19	5	0.20
3	5-14	20	1.44	8	0.75	28	1.14
4	15-24	25	1.80	21	1.98	46	1.88
5	25-34	55	3.96	45	4.25	100	4.08
6	35-44	116	8.35	48	4.53	164	6.70
7	45-54	137	9.86	90	8.49	227	9.27
8	55-64	229	16.49	102	9.62	331	13.52
9	65-69	114	8.21	89	8.40	203	8.29
10	70 & above	584	42.04	586	55.28	1170	47.77
11	Age Not Stated	106	7.63	69	6.51	175	7.15
	Total	1389	100.00	1060	100.00	2449	100.00

3.18 Diseases of the Blood and Blood Forming Organs and Certain Disorders involving the Immune Mechanism (III):

The diseases under this cause group have contributed to 1.70 per cent of the total medically certified deaths. This cause group accounts for 1.34 per cent of total male and 2.33 per cent of total female medically certified deaths. “*Other Anaemias*” is the major cause constitutes around 78 per cent of total deaths reported in the cause group and 1.33 per cent of the total medically certified deaths. The distribution of major causes of deaths under this group is presented in **Statement-28**.

Statement-28

Distribution of Major Causes of Deaths due to Diseases of the Blood and Blood forming organs and Certain Disorders involving the Immune Mechanism Under MCCD-2013

Sl. No	Cause of Death	Male		Female		Total		% To Total Medically Certified Deaths
		No.	%	No.	%	No.	%	
1	Other Anaemias	924	75.61	993	81.19	1917	78.40	1.33
2	Others	298	24.39	230	18.81	528	21.60	0.37
	Total Medically Certified Deaths due to Blood and Blood forming organs and Immunity Mechanism	1222	100.00	1223	100.00	2445	100.00	1.70
	Deaths due to Diseases of Blood and Blood forming organs and Immunity Mechanism as percentage to total medically certified deaths		1.34		2.33		1.70	

3.19 Congenital Malformations, Deformations and Chromosomal Abnormalities (XVII)

Merely 2251 deaths are reportedly caused by ‘*Congenital Malformations, deformations and Chromosomal abnormalities*’, constituting about 1.57 per cent of the total medically certified deaths. The majority of these deaths occur for age less than one year (1425 or 63.31 per cent). Under this cause group, about 57.04 per cent deaths are caused by malformation of various Circulatory System. The distribution of major causes of death under this group is presented in **Statement – 29**.

Statement – 29

Distribution of Deaths due to 'Congenital Malformations, Deformations and Chromosomal Abnormalities' under MCCD – 2013

Sl. No	Cause of Death	Age Group (In years)			Percentage to total
		<1	1 year and above (Including age not specified)	Total	
1	Spina Bifida	38	6	44	1.96
2	Congenital Malformations of the Circulatory System	892	392	1284	57.04
3	All other Congenital Malformations, Deformations & Chromosomal Abnormalities	490	428	918	40.78
4	Others	5	-	5	0.22
	Total	1425	826	2251	
	Percentage to Total	63.31	36.69	100.00	

3.20 Diseases of the Skin and Subcutaneous Tissue (XII)

These diseases account for 1072 medically certified deaths (0.75 per cent of the total medically certified deaths). This cause group accounts for 0.78 per cent of total male and 0.69 per cent of total female medically certified deaths. About 80 per cent of the deaths under the cause group are caused by *'Infections of the Skin and Subcutaneous Tissue'* (854 deaths).

3.21 Complications of Pregnancy, Childbirth and the Puerperium (XV)

The group consisting of *'Complications of Pregnancy, Childbirth and the Puerperium'* has reportedly caused 758 deaths (1.45 per cent of the total female medically certified deaths). As high as 91.42 per cent of deaths under this cause group have been due to obstetric causes like *'Other Complications of Pregnancy and Delivery, 'Complications Pre-dominantly Related to the Puerperium'* and some other related complications. The remaining 8.58 per cent deaths in this cause group are due to abortive outcome of Pregnancy such as Medical and Spontaneous Abortions and other obstetric conditions.

Statement – 30

Distribution of Deaths due to "Complication of Pregnancy, Childbirth and the Puerperium "under MCCD – 2013

Sl. No	Cause of Death	No.	%	% to total female Medically Certified Deaths
1	Other Direct Obstetric Deaths	693	91.42	1.32
2	Other Obstetric Conditions not elsewhere Classified	9	1.19	0.02
3	Pregnancy with Abortive Outcome	56	7.39	0.11
	Total Medically Certified Deaths due to Complication of Pregnancy, Childbirth and Puerperium	758	100.00	1.45

3.22 Diseases of the Musculoskeletal System and Connective Tissue (XIII)

This has contributed to only 335 deaths i.e. around 0.23 per cent of total medically certified deaths.

3.23 Mental and Behavioural Disorders (V)

The group relating to Mental and Behavioural disorders accounts for 246 deaths (0.17per cent of total medically certified deaths). The age group 25-64 years constitutes around 69 per cent of total deaths due to '*Mental and Behavioural Disorders*'. Under this cause group, the deaths due to "*Mental and Behavioural Disorders due Psychoactive substance use*" constitutes the highest share (57.72 per cent) of total deaths. The ratio of males to females was disproportionate in this group (192 males to 54 females). The distribution of major causes of deaths under this group is presented in **Statement-31**

Statement – 31

Distribution of Deaths due to 'Mental and Behavioural Disorders' under MCCD – 2013

Sl. No	Cause of Death	Age Group								% to Total
		<15	15-24	25-34	35-44	45-54	55-64	Others	Total	
1	Mental And Behavioural Disorders due to Psychoactive Substance use	0	4	21	38	33	16	30	142	57.72
2	Schizophrenia, Schizotypal & Delusional Disorders	0	3	7	12	12	19	28	81	32.93
3	All Other Mental Behavioural Disorders	0	3	3	1	4	3	9	23	9.35
	Total	0	10	31	51	49	38	67	246	100.00
	Percentage to total	0	4.07	12.60	20.73	19.92	15.45	27.23	100.00	

3.24 The least harmful major causes are Diseases of the Eye and Adnexa (VII) and Diseases of the Ear and Mastoid Process (VIII). No significant mortality is reported due to these causes. They are reporting merely 12 and 11 deaths from each group respectively.

CHAPTER - IV

SCHEME OF MCCD :

**SPECIFIC CAUSE OF MORTALITY
IN DIFFERENT AGE GROUPS**

CHAPTER- IV

SPECIFIC CAUSE OF MORTALITY IN DIFFERENT AGE GROUPS

This chapter analyses the specific cause of mortality among different age groups by gender.

4.1. Infants: Out of the total medically certified deaths, around one-tenth has been reported for the Infants (children who could not complete their first birthday). The shares of male and female deaths to the corresponding totals of medically certified deaths are 10.27 per cent and 11.75 per cent respectively. The maximum incidence of death under this age group (86.33 per cent) has been reported to be caused by *‘Certain conditions originating in the perinatal period’*, which includes diseases **Slow Fetal Growth, Fetal Malnutrition and Immaturity, Hypoxia, Birth Asphyxia and other Respiratory Conditions** (76.15 per cent). This is followed by *‘Congenital Malformations, Deformations & Chromosomal Abnormalities’* (9.18 per cent) of which *Congenital Malformations of the Circulatory System* (62.60 per cent) is the major constituent. *‘Certain Infectious and Parasitic Diseases’* which contribute to about 2.11 per cent of the total infant deaths, assume third rank, having *Diarrhoea and Gastro enteritis of Presumed Infectious Origin* (56.40 per cent) as the major killers. The distribution of mortality among infants by major cause groups has been given in **Statement-32** and is highlighted in **Chart -22**

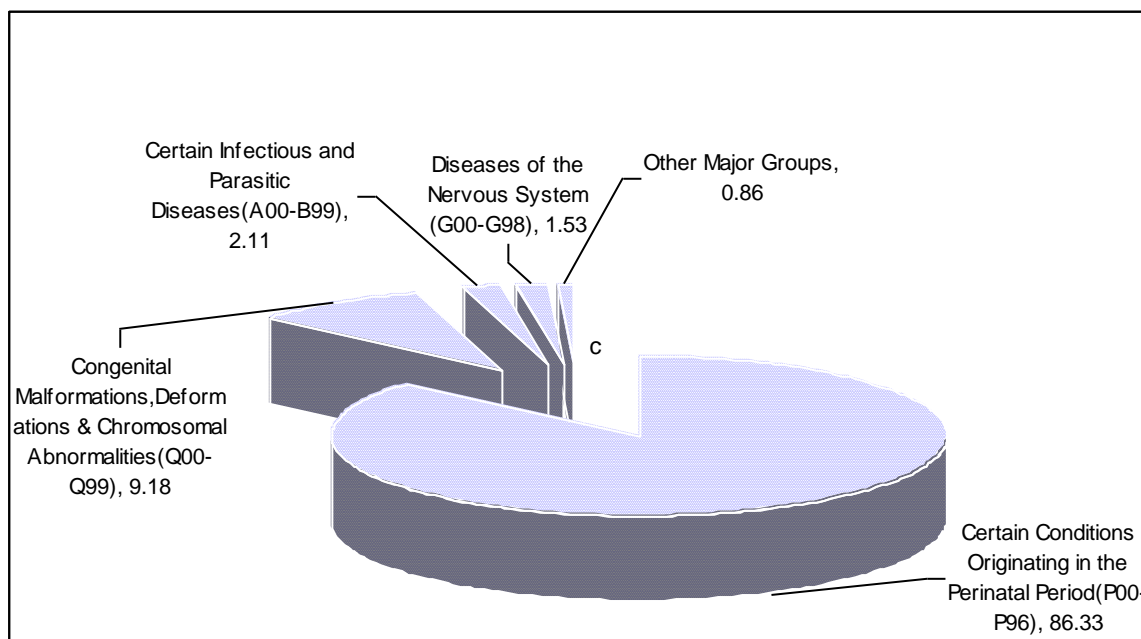
Statement – 32

Distribution of Mortality among Infants by Major Cause Group

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Conditions Originating in the Perinatal Period(P00-P96)	8053	85.90	5353	86.98	13406	86.33
2	Congenital Malformations, Deformations & Chromosomal Abnormalities(Q00-Q99)	903	9.63	522	8.48	1425	9.18
3	Certain Infectious and Parasitic Diseases(A00-B99)	203	2.17	125	2.03	328	2.11
4	Diseases of the Nervous System (G00-G98)	137	1.46	100	1.62	237	1.53
5	Other Major Groups	79	0.84	54	0.88	133	0.86
	Total Medically Certified Deaths in the age group <1 Year	9375	100.00	6154	100.00	15529	100.00
	Deaths in the age group <1 year as percentage to total Medically certified deaths		10.27		11.75		10.81

Chart – 22

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG INFANTS BY MAJOR CAUSE GROUP



4.2 Children aged 1-4 year: Of the total medically certified deaths, 1.15 per cent has been reported from this age-group, accounting for 0.97 per cent and 1.47 per cent of total male and female medically certified deaths respectively. *‘Certain infectious and Parasitic Diseases’* rank first, constituting 23.61 per cent of total medically certified deaths in the age group under which *Other Arthropod Born Viral Fevers and Viral Haemorrhagic fevers* (28.64 per cent), *Other Viral Encephalitis* (15.09 per cent), *Diarrhoea and Gastro enteritis of Presumed Infectious Origin* (9.97 per cent) and *Septicaemia* (7.67 per cent) are the major constituents.. *Congenital Malformations, Deformations and Chromosomal Abnormalities* is the second leading cause contribute around 23.01 per cent of total medically certified deaths in the age group. *Congenital Malformations of the Circulatory System* is the leading cause contribute around 50.13 per cent of the deaths in Congenital Abnormalities group. The third leading cause group of deaths, *‘Injury, Poisoning and Certain other Consequences of External Causes’* is responsible for 15.76 per cent of deaths in this age group. *‘Burns and Corroisions’* have taken about 35.63 per cent of the total deaths under this cause group. The distribution of mortality in the age group 1-4 years by major cause group has been given in **Statement -33** and **Chart 23**.

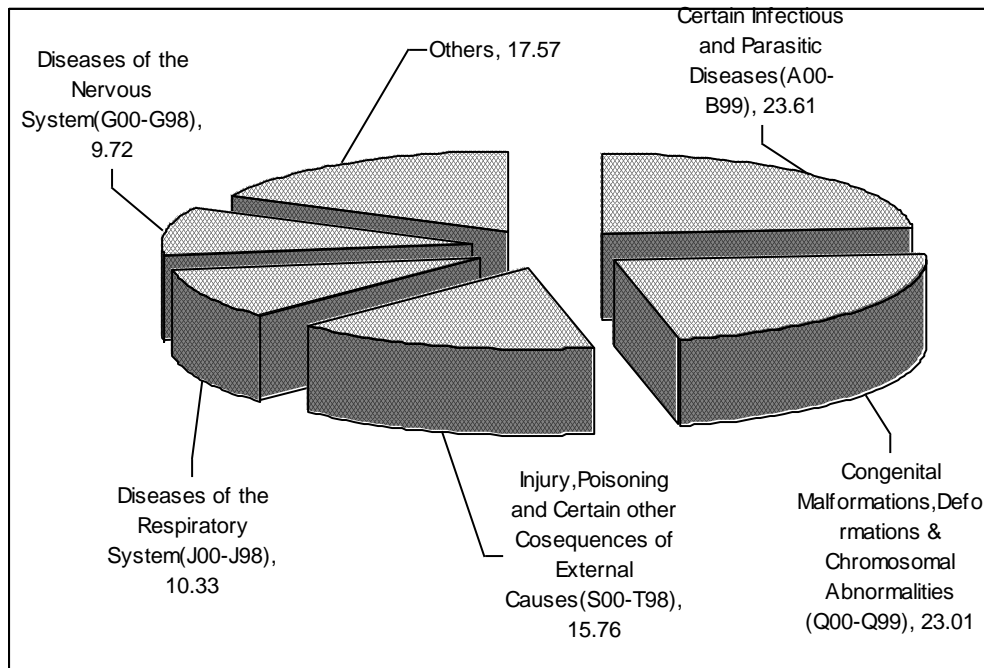
Statement – 33

**Distribution of Mortality among children in the Age Group 1-4 years
by Major Cause Group.**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	200	22.57	191	24.81	391	23.61
2	Congenital Malformations, Deformations & Chromosomal Abnormalities (Q00-Q99)	202	22.80	179	23.25	381	23.01
3	Injury,Poisoning and Certain other Consequences of External Causes (S00-T98)	151	17.04	110	14.29	261	15.76
4	Diseases of the Respiratory System(J00-J98)	84	9.48	87	11.30	171	10.33
5	Diseases of the Nervous System(G00-G98)	95	10.72	66	8.57	161	9.72
6	Others	154	17.38	137	17.79	291	17.57
	Total Medically Certified Deaths in the age group 1-4 Year	886	100.00	770	100.00	1656	100.00
	Deaths in the age group 1-4 year as percentage to total Medically certified deaths		0.97		1.47		1.15

CHART -23

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG CHILDREN IN THE
AGE GROUP 1-4 YEARS BY MAJOR CAUSE GROUP**



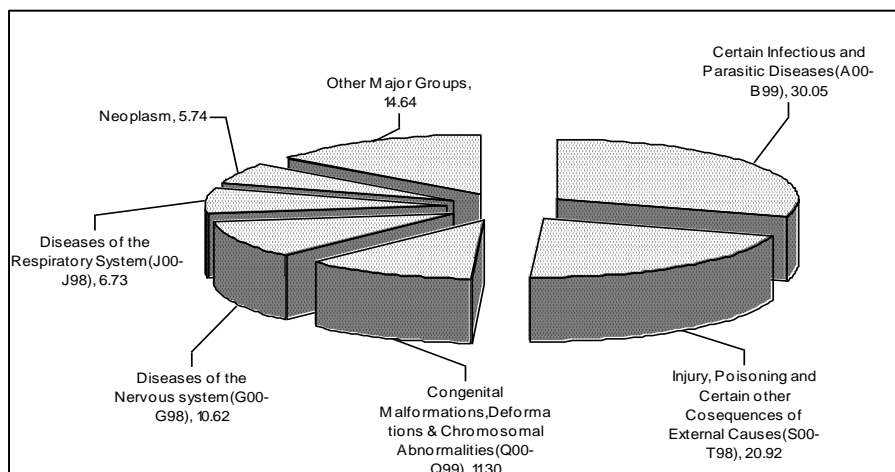
4.3 Children aged 5-14 years: The share of this age group in the total medically certified deaths is 1.54 per cent, constituting 1.29 per cent and 1.97 per cent of total male and female medically certified deaths respectively. Of the total reported deaths under this age group, the share of '*Certain infectious and Parasitic Diseases*' is 30.05 per cent followed by *Injury, Poisoning and Certain other Consequences of External Causes* (20.92 per cent), *Congenital Malformation, Deformation & Chromosomal Abnormalities* (11.30 per cent), *Diseases of the Nervous System* (10.62 per cent) and *Diseases of Respiratory System* (6.73 per cent). The Distribution of mortality in the age group 5-14 years, by major cause groups is given in **Statement- 34** and **Chart - 24**.

Statement – 34

**Distribution of Mortality among children in the Age Group 5-14 years
by Major Cause Groups**

Sl.No	Cause of Death	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Certain Infectious and Parasitic Diseases(A00-B99)	318	26.93	347	33.62	665	30.05
2	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	255	21.59	208	20.16	463	20.92
3	Congenital Malformations,Deformations & Chromosomal Abnormalities(Q00-Q99)	156	13.21	94	9.11	250	11.30
4	Diseases of the Nervous system(G00-G98)	130	11.01	105	10.17	235	10.62
5	Diseases of the Respiratory System(J00-J98)	82	6.94	67	6.49	149	6.73
6	Neoplasm	73	6.18	54	5.23	127	5.74
7	Other Major Groups	167	14.14	157	15.21	324	14.64
	Total Medically Certified Deaths in the age group 5-14 Year	1181	100.00	1032	100.00	2213	100.00
	Deaths in the age group 5-14 year as percentage to total Medically certified deaths		1.29		1.97		1.54

CHART – 24
PERCENTAGE DISTRIBUTION OF MORTALITY AMONG CHILDREN IN
THE AGE GROUP 5-14 YEARS BY MAJOR CAUSE GROUPS



4.4 Persons aged 15-24 years: This age-group has contributed to 4.45 per cent of the total medically certified deaths and the share of male and female deaths to the corresponding total being 3.35 per cent and 6.37 per cent respectively. The category consisting of *“Injury, Poisoning & certain other consequences of External causes”* has caused the maximum deaths 45.11 per cent of total deaths reported under this age group. *“Certain Infectious and Parasitic Diseases”*, *“Diseases of the Nervous System”* and *“Neoplasms”* are other leading causes of deaths, accounting for 14.94 per cent, 5.02 cent and 4.52 per cent of deaths respectively. The distribution of mortality in the age group 15-24 years, by major cause groups has been shown in **Statement – 35** and **Chart-25**.

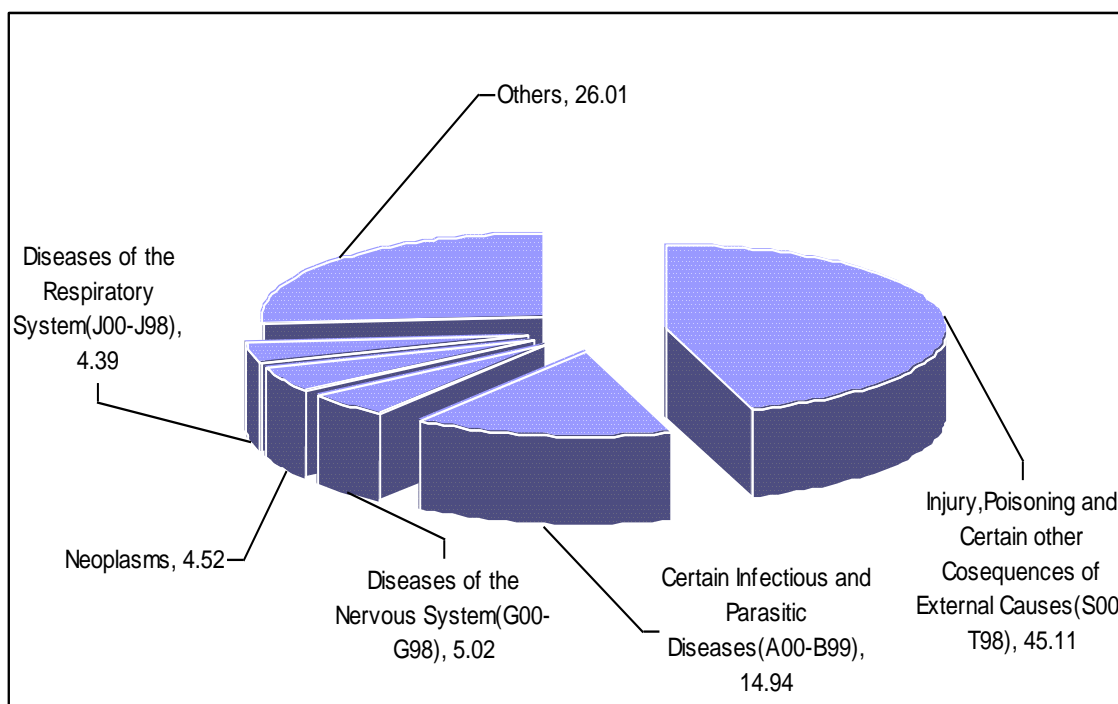
Statement – 35

Distribution of Mortality among persons in the Age Group 15-24 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1416	46.24	1470	44.08	2886	45.11
2	Certain Infectious and Parasitic Diseases(A00-B99)	507	16.56	449	13.46	956	14.94
3	Diseases of the Nervous System(G00-G98)	161	5.26	160	4.80	321	5.02
4	Neoplasms	183	5.98	106	3.18	289	4.52
5	Diseases of the Respiratory System(J00-J98)	126	4.11	155	4.65	281	4.39
6	Others	669	21.85	995	29.84	1664	26.01
	Total Medically Certified Deaths in the age group 15-24 Year	3062	100.00	3335	100.00	6397	100.00
	Deaths in the age group 15-24 year as percentage to total Medically certified deaths		3.35		6.37		4.45

Chart – 25

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 15-24 YEARS BY MAJOR CAUSE GROUPS



4.5 Persons aged 25-34 years: This age group has constituted around 6.94 per cent of total medically certified deaths. Around every fifteenth medically certified death belongs to this age-group, with 6.70 per cent and 7.36 per cent of total male and female medically certified deaths respectively coming from this age group. A significant percentage of deaths have been reported due to ***‘Injury, Poisoning & certain other consequences of External Causes’*** (35.61 per cent). The two other major determinants of deaths are ***‘Certain Infectious and Parasitic Diseases’*** (15.61) and ***‘Diseases of the Circulatory System’*** (13.07 per cent). The Distribution of Mortality in the age group 25-34 years, by major cause groups has been shown in **Statement - 36 & Chart- 26**

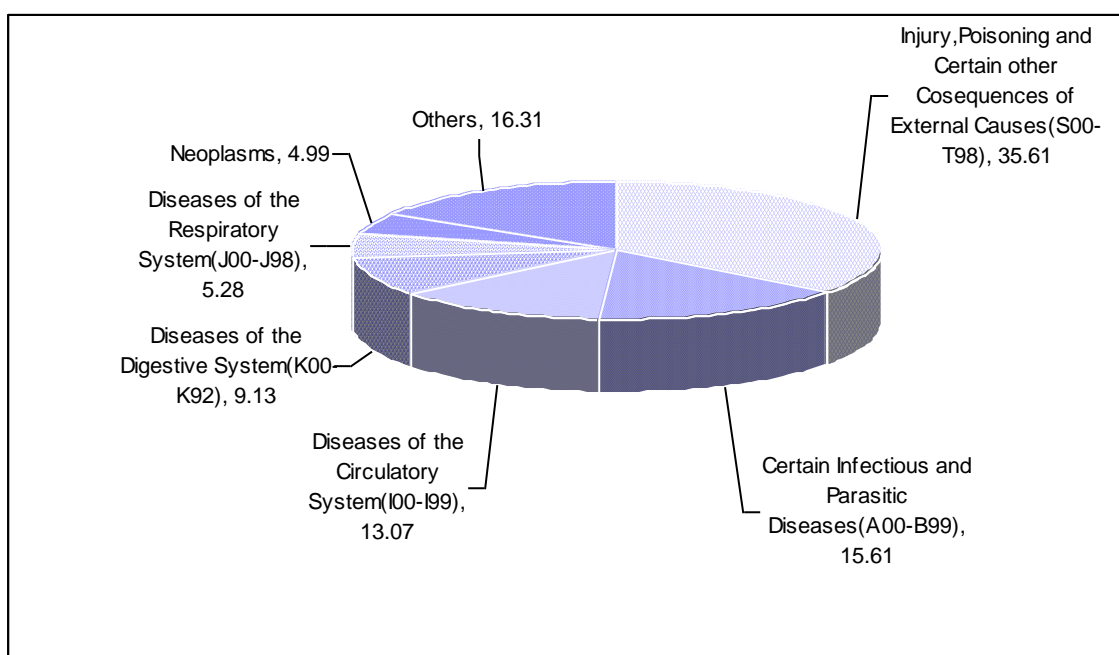
Statement – 36

Distribution of Mortality among persons in the Age Group 25-34 years by Major Cause Groups

Sl. No	Cause of Death	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	2174	35.55	1377	35.70	3551	35.61
2	Certain Infectious and Parasitic Diseases(A00-B99)	1002	16.39	555	14.39	1557	15.61
3	Diseases of the Circulatory System(I00-I99)	872	14.26	431	11.17	1303	13.07
4	Diseases of the Digestive System(K00-K92)	769	12.58	141	3.66	910	9.13
5	Diseases of the Respiratory System(J00-J98)	309	5.05	218	5.65	527	5.28
6	Neoplasms	255	4.17	243	6.30	498	4.99
7	Others	734	12.00	892	23.13	1626	16.31
	Total Medically Certified Deaths in the age group 25-34 Year	6115	100.00	3857	100.00	9972	100.00
	Deaths in the age group 25-34 year as percentage to total Medically certified deaths		6.7		7.36		6.94

Chart -26

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 25-34 YEARS BY MAJOR CAUSE GROUPS



4.6 Persons aged 35-44 years : The overall contribution of this age-group in total medically certified deaths is 9.64 per cent, accounting for 10.68 per cent for male and 7.81 per cent of female deaths. *‘Diseases of the Circulatory System’, ‘Injury Poisoning and Certain other Consequences of External Causes’, ‘Certain Infectious and Parasitic Diseases’, ‘Diseases of Digestive System’, ‘Neoplasms’ and ‘Diseases of Respiratory System’* are leading cause groups of deaths together contributing around 85.79 per cent of total deaths under this age-group. The distribution of mortality in the age group 35-44 years, by major cause group has been presented in **Statement-37** and **Chart-27**.

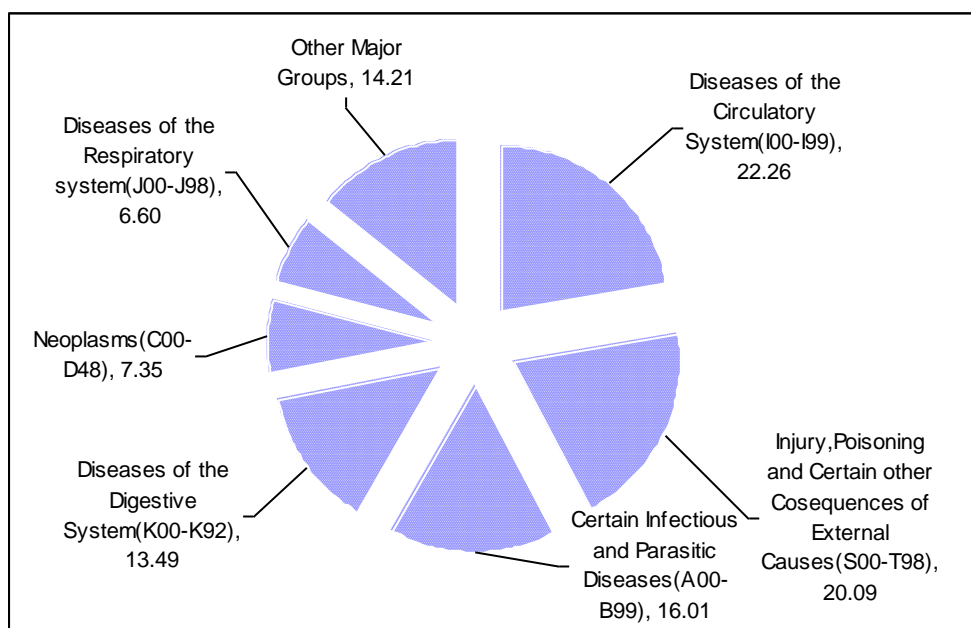
Statement -37

Distribution of Mortality among persons in the Age Group 35-44 years by Major Cause Groups

Sl. No	Major Cause group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	2195	22.50	888	21.69	3083	22.26
2	Injury,Poisoning and Certain other Cosequences of External Causes(S00-T98)	1996	20.46	786	19.20	2782	20.09
3	Certain Infectious and Parasitic Diseases(A00-B99)	1571	16.10	646	15.78	2217	16.01
4	Diseases of the Digestive System(K00-K92)	1675	17.17	193	4.71	1868	13.49
5	Neoplasms (C00-D48)	479	4.91	539	13.17	1018	7.35
6	Diseases of the Respiratory System(J00-J98)	604	6.19	310	7.57	914	6.60
7	Other Major Groups	1236	12.67	732	17.88	1968	14.21
	Total Medically Certified Deaths in the age group 35-44 Years	9756	100.00	4094	100.00	13850	100.00
	Deaths in the age group 35-44 year as percentage to total Medically certified deaths		10.68		7.81		9.64

Chart – 27

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 35-44 YEARS BY MAJOR CAUSE GROUPS



4.7 Persons aged 45-54 years: This age group has contributed to 13.02 per cent of the total medically certified deaths, constituting 14.43 per cent and 10.57 per cent of total male and female medically certified deaths respectively. The prominent causes of mortality in this age group are *‘Diseases of Circulatory System’* (29.08 per cent), *‘Certain, Infectious and Parasitic Diseases’* (13.06 per cent), *‘Diseases of the Digestive System’* (12.64 per cent), *‘Injury, Poisoning & Certain other consequences of External Causes’* (11.89 per cent), *‘Neoplasms’* (9.34 per cent) and *‘Diseases of the Respiratory System’* (7.73 per cent) and *‘Endocrine, Nutritional and Metabolic Diseases’* (5.68 per cent) which together contribute around 89.42 per cent of the total deaths reported under this age-group. The distribution of mortality in the age group 45-54 years, by major cause groups has been presented in **Statement – 38** and **Chart -28**.

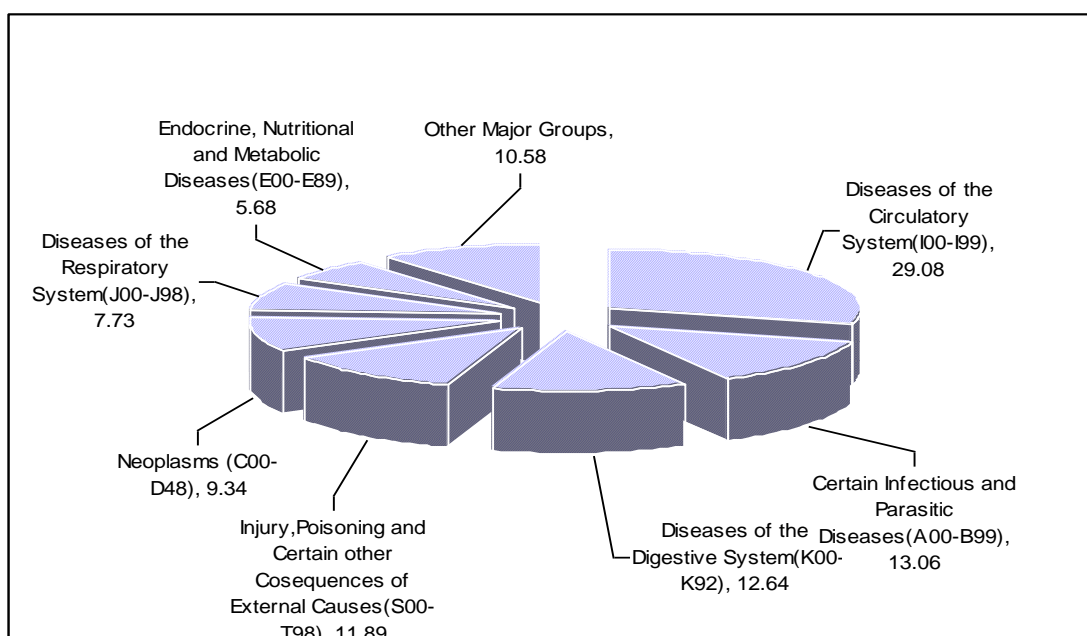
Statement – 38

Distribution of Mortality among persons in the Age Group 45-54 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3871	29.38	1571	28.38	5442	29.08
2	Certain Infectious and Parasitic Diseases(A00-B99)	1729	13.12	714	12.90	2443	13.06
3	Diseases of the Digestive System(K00-K92)	2006	15.23	359	6.48	2365	12.64
4	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1695	12.87	529	9.56	2224	11.89
5	Neoplasms (C00-D48)	957	7.26	791	14.29	1748	9.34
6	Diseases of the Respiratory System(J00-J98)	1002	7.61	444	8.02	1446	7.73
7	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	656	4.98	407	7.35	1063	5.68
8	Other Major Groups	1259	9.56	721	13.02	1980	10.58
	Total Medically Certified Deaths in the age group 45-54 Years	13175	100.00	5536	100.00	18711	100.00
	Deaths in the age group 45-54 year as percentage to total Medically certified deaths		14.43		10.57		13.02

Chart – 28

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 45-54 YEARS BY MAJOR CAUSE GROUPS



4.8 Persons aged 55-64 years: This age group has a share of 15.91 per cent in the total medically certified deaths, accounting for 17.00 per cent and 14.02 per cent of total male and female medically certified deaths respectively. *‘Diseases of the Circulatory System’* have contributed to the maximum number (37.73 per cent) of total deaths in this age-group, followed by *Diseases of the Respiratory System* (10.24 per cent), *Neoplasms* (9.96 per cent). In the *Circulatory System deaths “Ischaemic Heart Diseases”* have taken the highest toll contributing around 41 per cent of total deaths. The cause group Diseases of the Respiratory System responsible for 10.24 per cent of the total deaths under this age group has two major constituents i.e., *Pneumonia and Asthama*, together accounting for 33 per cent of total respiratory system deaths. The cause group *‘Certain Infectious and Parasitic Diseases’* is responsible for 9.16 per cent of the total deaths under this age group *‘Respiratory Tuberculosis’* constituted 43 per cent of total deaths (Refer Table-2). Around 85 per cent of the deaths under the cause group, *Endocrine, Nutritional and Metabolic Diseases* is due to *‘Diabetes Mellitus’*. The distribution of mortality in the age group 55-64 years by major cause group has been highlighted in the **Statement-39** and **Chart – 29**.

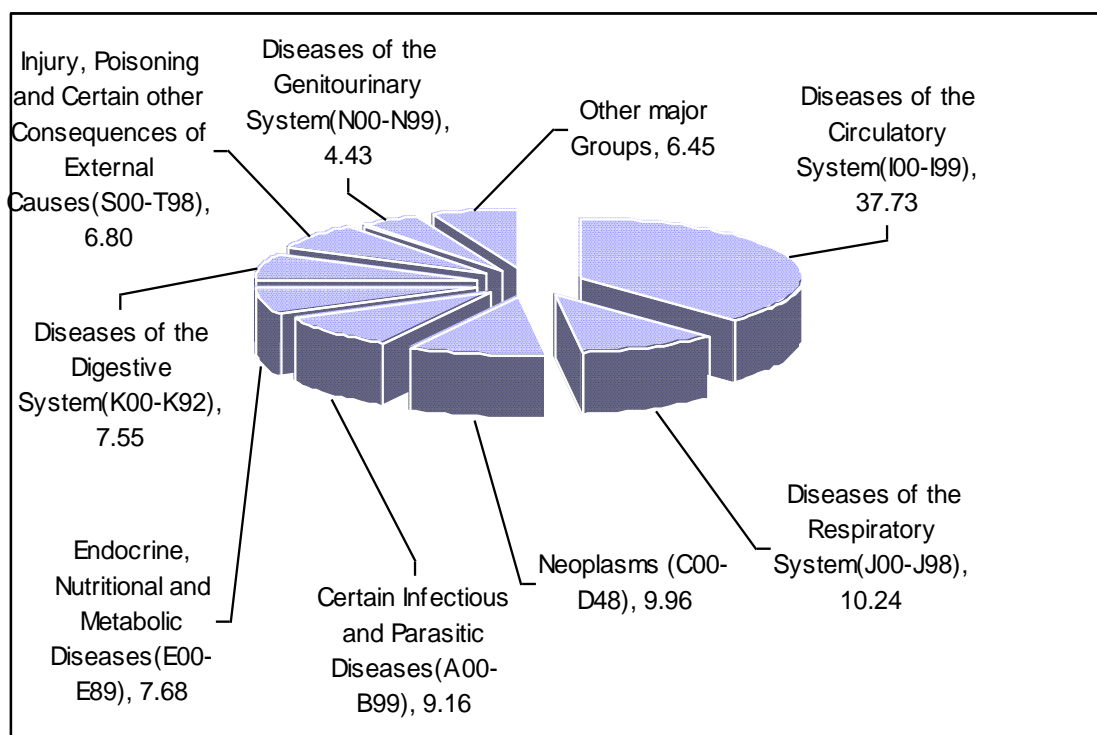
Statement -39

Distribution of Mortality among persons in the Age Group 55-64 years by Major Cause Groups

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	5855	37.72	2773	37.74	8628	37.73
2	Diseases of the Respiratory System(J00-J98)	1615	10.40	727	9.90	2342	10.24
3	Neoplasms (C00-D48)	1376	8.86	901	12.26	2277	9.96
4	Certain Infectious and Parasitic Diseases(A00-B99)	1466	9.44	630	8.57	2096	9.16
5	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1027	6.62	730	9.94	1757	7.68
6	Diseases of the Digestive System(K00-K92)	1406	9.06	320	4.36	1726	7.55
7	Injury, Poisoning and Certain other Consequences of External Causes(S00-T98)	1169	7.53	387	5.27	1556	6.80
8	Diseases of the Genitourinary System(N00-N99)	673	4.34	340	4.63	1013	4.43
9	Other major Groups	936	6.03	539	7.34	1475	6.45
	Total Medically Certified Deaths in the age group 55-64 Years	15523	100.00	7347	100.00	22870	100.00
	Deaths in the age group 55-64 year as percentage to total Medically certified deaths		17.00		14.02		15.91

Chart – 29

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN THE AGE GROUP 55-64 YEARS BY MAJOR CAUSE GROUPS



4.9 Persons aged 65-69 years : The share of this age group in total medically certified deaths is 9.10 per cent, constituting 9.11 per cent and 9.09 per cent of total male and female medically certified deaths respectively. In this age group, ***‘Diseases of the Circulatory System’*** alone constitute the highest number of deaths (42.54 per cent). ***‘Ischaemic Heart Diseases’*** constitute the highest share around 39.14 per cent of circulatory system deaths under this age group. The second leading cause group of death in this age group is ***‘Diseases of the Respiratory System’*** with the share of 11.24 per cent. ***‘Other Lower Respiratory Disorders’*** and ***‘Pneumonia’*** are being the major constituents with the shares of 42.42 per cent and 16.59 per cent of this cause group respectively. ***‘Endocrine, Nutritional and Metabolic diseases’*** rank third with 8.76 percent of the total deaths. Under this cause group ***‘Diabetis Mellitus’*** is the main cause alone contribute 85 per cent of the deaths. (Ref.Table-2) The distribution of mortality in the age group 65-69 years, by major cause groups has been portrayed in **Statement-40** and **Chart-30**.

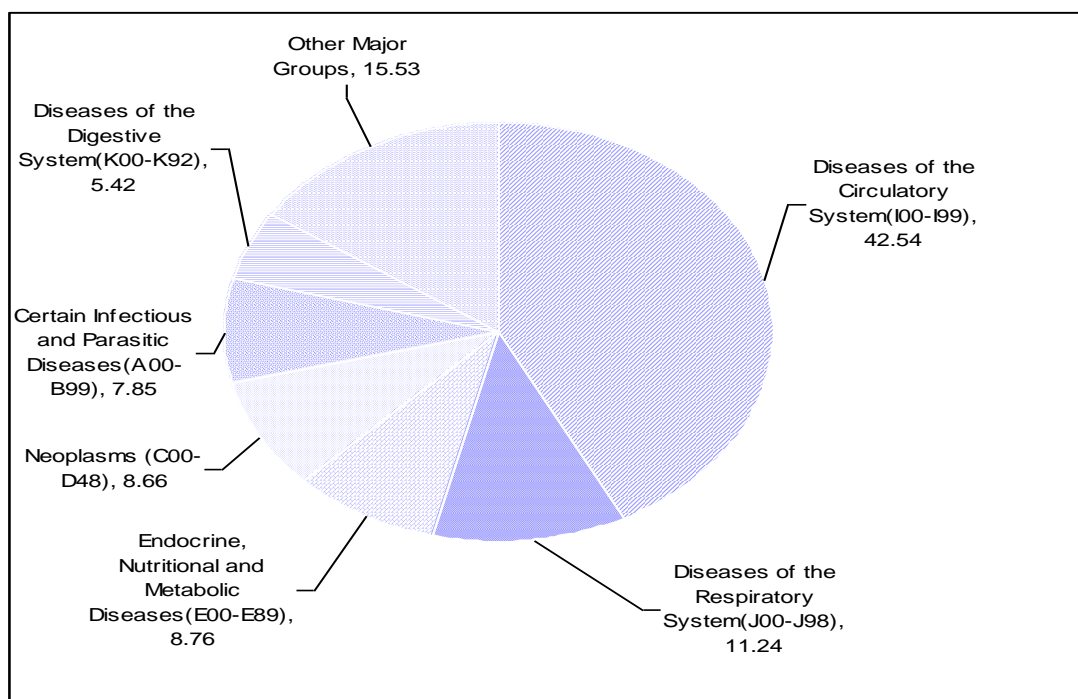
Statement - 40

**Distribution of Mortality among persons in the Age Group 65-69 years
by Major Cause Groups**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	3509	42.16	2056	43.19	5565	42.54
2	Diseases of the Respiratory System(J00-J98)	970	11.65	501	10.53	1471	11.24
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	627	7.53	519	10.90	1146	8.76
4	Neoplasms (C00-D48)	674	8.10	459	9.64	1133	8.66
5	Certain Infectious and Parasitic Diseases(A00-B99)	725	8.71	302	6.34	1027	7.85
6	Diseases of the Digestive System(K00-K92)	534	6.42	175	3.68	709	5.42
7	Other Major Groups	1284	15.43	748	15.71	2032	15.53
	Total Medically Certified Deaths in the age group 65-69 Years	8323	100.00	4760	100.00	13083	100.00
	Deaths in the age group 65-69 years as percentage to total Medically certified deaths		9.11		9.09		9.10

Chart - 30

**PERCENTAGE DISTRIBUTION OF MORTALITY AMONG PERSONS IN
THE AGE GROUP 65-69 YEARS BY MAJOR CAUSE GROUPS**



4.10 Old aged Persons 70 years and above: This age group, as expected, has reported the maximum incidence (22.94 per cent) of total medically certified deaths. As high as 21.40 per cent and 25.62 per cent of total male and female medically certified deaths have respectively been reported from this age group. In this age group *'Diseases of the Circulatory System'* alone contribute 44.94 per cent of deaths. *Ischemic Heart Diseases* constitute maximum number (40.58 per cent) of Circulatory system deaths under this age group. The major group of *'Diseases of Respiratory System'* is the second leading cause of death with 13.19 per cent of total deaths under this age group *'Other Lower Respiratory Disorders'* and *'Pnumonia'* are the major constituents of Diseases of Respiratory system with the shares of 44.10 per cent and 18.16 per cent respectively. With the share of 8.79 per cent, *'Endocrine, Nutritional and Metabolic Diseases'* is the third leading cause group of death in this age group. Under this age cause group, *'Diabetes Mellitus'* is the only cause account for about 82.34 per cent deaths (Ref. Table-2). The distribution of mortality in the age group 70 years and above, by major cause group has been presented in **Statement-41 & Chart-31**.

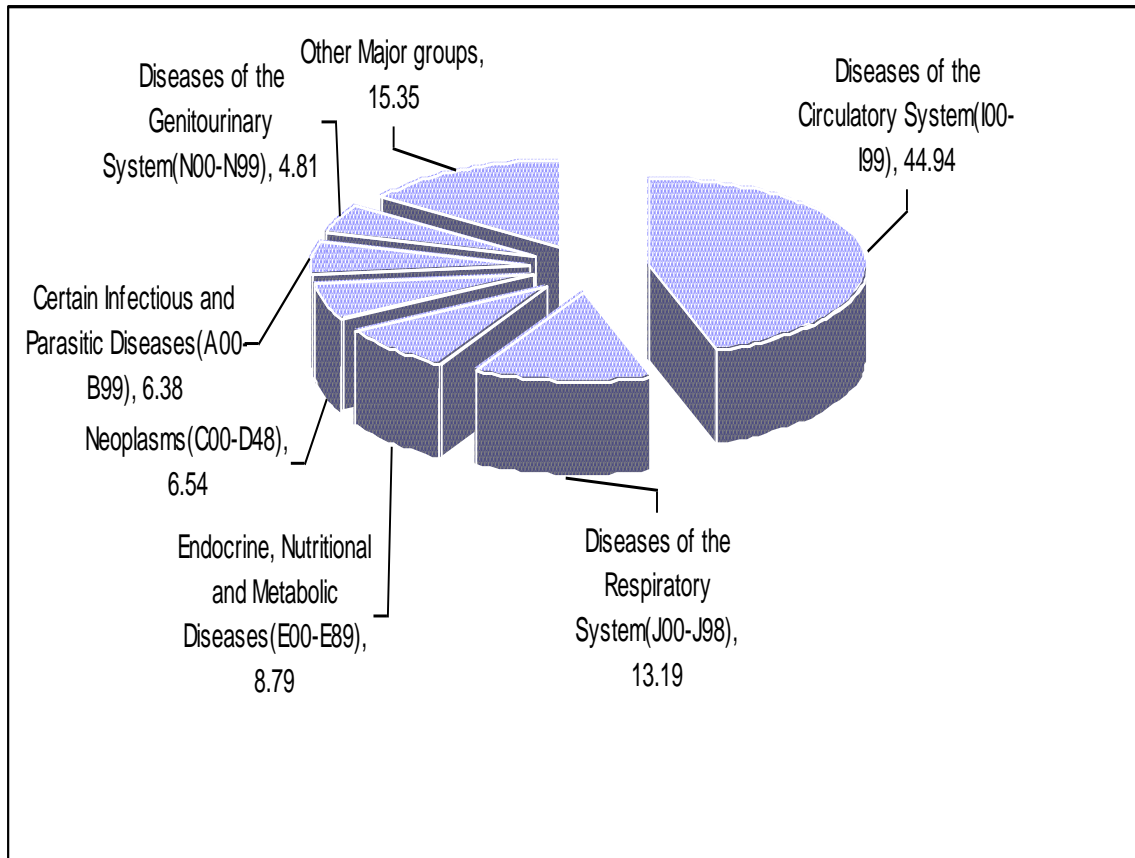
Statement -41

**Distribution of Mortality among Old aged persons (70 or above years)
by Major Cause Groups**

Sl. No	Major Cause Group	Male		Female		Total	
		No.	%	No.	%	No.	%
1	Diseases of the Circulatory System(I00-I99)	8448	43.23	6369	47.44	14817	44.94
2	Diseases of the Respiratory System(J00-J98)	2853	14.60	1494	11.13	4347	13.19
3	Endocrine, Nutritional and Metabolic Diseases(E00-E89)	1567	8.02	1332	9.92	2899	8.79
4	Neoplasms (C00-D48)	1340	6.86	816	6.08	2156	6.54
5	Certain Infectious and Parasitic Diseases(A00-B99)	1296	6.63	806	6.00	2102	6.38
6	Diseases of the Genitourinary System(N00-N99)	995	5.09	591	4.40	1586	4.81
7	Other Major groups	3045	15.58	2016	15.02	5061	15.35
	Total Medically Certified Deaths in the age group 70 or above Years	19544	100.00	13424	100.00	32968	100.00
	Deaths in the age group 70 or above years as percentage to total Medically certified deaths		21.40		25.62		22.94

CHART – 31

PERCENTAGE DISTRIBUTION OF MORTALITY AMONG OLD AGED PERSONS (70 OR ABOVE YEARS) BY MAJOR CAUSE GROUPS



APPENDICES

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TABLE 1 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	203	200	318	507	1002	1571	1729	1466	725	1296	493	9510	
		Female	125	191	347	449	555	646	714	630	302	806	233	4998	
		Total	328	391	665	956	1557	2217	2443	2096	1027	2102	726	14508	
2	NEOPLASMS (C00-D48)	Male	3	46	73	183	255	479	957	1376	674	1340	139	5525	
		Female	2	49	54	106	243	539	791	901	459	816	95	4055	
		Total	5	95	127	289	498	1018	1748	2277	1133	2156	234	9580	
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	1	35	36	89	104	191	170	196	99	234	67	1222	
		Female	0	33	49	150	155	182	144	183	63	217	47	1223	
		Total	1	68	85	239	259	373	314	379	162	451	114	2445	
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	14	12	47	109	299	656	1027	627	1567	248	4606	
		Female	0	18	7	59	64	148	407	730	519	1332	148	3432	
		Total	0	32	19	106	173	447	1063	1757	1146	2899	396	8038	
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	7	27	43	45	27	8	19	16	192	
		Female	0	0	0	3	4	8	4	11	5	16	3	54	
		Total	0	0	0	10	31	51	49	38	13	35	19	246	
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	137	95	130	161	255	285	317	284	168	456	129	2417	
		Female	100	66	105	160	143	147	150	149	92	273	66	1451	
		Total	237	161	235	321	398	432	467	433	260	729	195	3868	
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	2	1	0	2	1	0	0	1	7	
		Female	0	0	0	0	1	3	0	1	0	0	0	5	
		Total	0	0	0	2	2	3	2	2	0	0	1	12	
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	1	5	0	0	0	0	0	0	6	
		Female	0	0	0	0	5	0	0	0	0	0	0	5	
		Total	0	0	0	1	10	0	0	0	0	0	0	11	
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	32	23	50	142	872	2195	3871	5855	3509	8448	1387	26384	
		Female	23	25	59	107	431	888	1571	2773	2056	6369	695	14997	
		Total	55	48	109	249	1303	3083	5442	8628	5565	14817	2082	41381	
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0	84	82	126	309	604	1002	1615	970	2853	495	8140	
		Female	0	87	67	155	218	310	444	727	501	1494	209	4212	
		Total	0	171	149	281	527	914	1446	2342	1471	4347	704	12352	

TABLE 1 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0	18	35	166	769	1675	2006	1406	534	849	330	7788	
		Female	0	5	17	89	141	193	359	320	175	381	70	1750	
		Total	0	23	52	255	910	1868	2365	1726	709	1230	400	9538	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (L00-L98)	Male	0	0	0	15	28	58	108	159	83	201	56	708	
		Female	0	0	0	26	11	29	56	60	50	115	17	364	
		Total	0	0	0	41	39	87	164	219	133	316	73	1072	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	Male	0	0	0	10	6	8	25	40	15	48	10	162	
		Female	0	0	0	9	9	20	23	33	25	45	9	173	
		Total	0	0	0	19	15	28	48	73	40	93	19	335	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	15	14	91	144	236	455	673	383	995	137	3143	
		Female	0	5	17	72	101	109	254	340	259	591	73	1821	
		Total	0	20	31	163	245	345	709	1013	642	1586	210	4964	
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	366	354	38	0	0	0	0	0	758	
		Total	0	0	0	366	354	38	0	0	0	0	0	758	
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	8053	0	0	0	0	0	0	0	0	0	0	8053	
		Female	5353	0	0	0	0	0	0	0	0	0	0	5353	
		Total	13406	0	0	0	0	0	0	0	0	0	0	13406	
17	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	903	202	156	74	0	0	0	0	0	0	17	1352	
		Female	522	179	94	93	0	0	0	0	0	0	11	899	
		Total	1425	381	250	167	0	0	0	0	0	0	28	2251	
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	Male	0	3	20	25	55	116	137	229	114	584	106	1389	
		Female	0	2	8	21	45	48	90	102	89	586	69	1060	
		Total	0	5	28	46	100	164	227	331	203	1170	175	2449	
19	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	43	151	255	1416	2174	1996	1695	1169	414	654	747	10714	
		Female	29	110	208	1470	1377	786	529	387	165	383	336	5780	
		Total	72	261	463	2886	3551	2782	2224	1556	579	1037	1083	16494	
ALL CAUSES		Male	9375	886	1181	3062	6115	9756	13175	15523	8323	19544	4378	91318	
		Female	6154	770	1032	3335	3857	4094	5536	7347	4760	13424	2081	52390	
		Total	15529	1656	2213	6397	9972	13850	18711	22870	13083	32968	6459	143708	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	Male	203	200	318	507	1002	1571	1729	1466	725	1296	493	9510	
		Female	125	191	347	449	555	646	714	630	302	806	233	4998	
		Total	328	391	665	956	1557	2217	2443	2096	1027	2102	726	14508	
1	INTESTINAL INFECTIOUS DISEASES(A00-A09)	Male	121	25	9	23	57	112	111	155	94	240	42	989	
		Female	71	14	20	39	47	55	98	118	64	219	36	781	
		Total	192	39	29	62	104	167	209	273	158	459	78	1770	
1	CHOLERA(A00)	Male	0	0	0	0	2	0	0	1	0	1	0	4	
		Female	0	0	0	0	0	0	1	0	0	0	0	1	
2	TYPHOID FEVER AND PARATYPHOID FEVERS(A01)	Male	0	0	0	2	9	6	1	11	3	3	3	38	
		Female	0	0	1	7	5	1	4	3	1	5	1	28	
3	FOOD POISONING(A02,A05)	Male	0	0	0	0	3	1	1	0	0	2	1	8	
		Female	0	0	0	1	0	0	0	2	0	1	2	6	
4	SHIGELLOSIS(A03)	Male	0	0	0	0	0	0	4	0	0	0	0	4	
		Female	0	0	0	0	0	0	0	1	0	1	0	2	
5	AMOEBIASIS(A06)	Male	3	0	0	0	0	5	3	11	6	7	1	36	
		Female	1	0	3	1	2	1	5	3	3	9	3	31	
6	DIARRHOEA AND GASTROENTERITIS OF PRESUMED INFECTIOUS ORIGIN (A09)	Male	115	25	9	21	43	99	102	131	85	227	37	894	
		Female	70	14	16	30	39	53	87	109	60	203	30	711	
7	OTHER INTESTINAL INFECTIOUS DISEASES(A04,A07-A08)	Male	3	0	0	0	0	1	0	1	0	0	0	5	
		Female	0	0	0	0	1	0	1	0	0	0	0	2	
2	TUBERCULOSIS(A15-A19)	Male	8	24	66	235	596	874	996	808	393	515	252	4767	
		Female	7	23	42	219	254	287	308	247	104	227	85	1803	
		Total	15	47	108	454	850	1161	1304	1055	497	742	337	6570	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	RESPIRATORY TUBERCULOSIS(A15-A16)	Male	0	9	25	170	495	714	846	710	341	454	222	3986	
		Female	0	7	21	147	188	217	256	199	84	181	62	1362	
2	TUBERCULOSIS OF NERVOUS SYSTEM(A17)	Male	7	13	30	36	48	86	63	38	26	22	17	386	
		Female	3	14	12	35	29	25	16	20	8	16	11	189	
3	TUBERCULOSIS OF OTHER ORGANS AND MILIARY TUBERCULOSIS (A18-A19)	Male	1	2	11	29	53	74	87	60	26	39	13	395	
		Female	4	2	9	37	37	45	36	28	12	30	12	252	
3	OTHER BACTERIAL DISEASES(A20-A49)	Male	9	20	43	78	114	214	298	285	156	387	102	1706	
		Female	9	21	50	85	80	107	144	153	89	287	57	1082	
		Total	18	41	93	163	194	321	442	438	245	674	159	2788	
1	PLAGUE(A20)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	LEPROSY(A30)	Male	0	0	0	1	0	1	5	0	1	0	2	10	
		Female	0	0	0	1	0	0	2	0	0	0	0	3	
3	NEONATAL TETANUS(A33)	Male	3	0	0	0	0	0	0	0	0	0	0	3	
		Female	2	0	0	0	0	0	0	0	0	0	0	2	
4	OTHER TETANUS(A34-A35)	Male	0	2	9	3	4	8	14	16	5	7	2	70	
		Female	0	1	2	2	0	0	3	3	1	7	0	19	
5	DIPHTHERIA(A36)	Male	5	5	5	0	0	0	0	0	0	0	0	15	
		Female	7	0	3	0	0	0	0	0	0	0	0	10	
6	WHOOPING COUGH(A37)	Male	1	0	0	0	0	0	0	0	0	0	0	1	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
7	MENINGOCOCCAL INFECTION(A39)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	1	0	0	0	0	0	1	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	SEPTICAEMIA(A40-A41)	Male	0	13	23	62	88	184	246	249	138	367	92	1462	
		Female	0	17	40	75	75	96	128	139	83	275	57	985	
9	ALL OTHER TYPES OF BACTERIAL DISEASES (A21-A28,A31-A32,A38,A42-A49)	Male	0	0	6	12	22	21	33	20	12	13	6	145	
		Female	0	3	5	7	5	10	11	11	5	5	0	62	
4	INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A50-A64)	Male	0	0	0	0	2	7	4	2	1	0	0	16	
		Female	0	0	0	0	2	4	2	1	0	0	0	9	
		Total	0	0	0	0	4	11	6	3	1	0	0	25	
1	SYPHILIS(A50-A53)	Male	0	0	0	0	0	0	3	0	0	0	0	3	
		Female	0	0	0	0	0	1	0	1	0	0	0	2	
2	OTHER TYPES OF INFECTIONS WITH A PREDOMINANTLY SEXUAL MODE OF TRANSMISSION (A54-A64)	Male	0	0	0	0	2	7	1	2	1	0	0	13	
		Female	0	0	0	0	2	3	2	0	0	0	0	7	
5	VIRAL DISEASES(A70-A74 & A80-B34)	Male	65	122	192	142	206	287	255	179	58	127	89	1722	
		Female	38	120	215	98	151	149	126	89	35	57	46	1124	
		Total	103	242	407	240	357	436	381	268	93	184	135	2846	
1	ACUTE POLIOMYELITIS(A80)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
2	RABIES(A82)	Male	0	5	12	7	8	8	8	7	2	7	1	65	
		Female	0	0	1	6	0	2	0	1	0	0	1	11	
3	JAPANESE ENCEPHALITIS(A83.0)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
4	OTHER VIRAL ENCEPHALITIS(A83.1-A83.9,A84-A86)	Male	27	26	34	25	24	17	11	14	6	23	10	217	
		Female	10	33	29	9	16	9	12	7	4	9	4	142	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
5	DENGUE FEVER(A90)	Male	8	17	19	11	15	11	6	8	2	7	8	112
		Female	9	13	31	10	2	4	13	4	2	5	4	97
6	OTHER ARTHOPOD-BORNE VIRAL FEVERS AND VIRAL HAEMORRHAGIC FEVERS (A91-A94, A96-A99)	Male	24	55	119	64	58	50	67	53	18	41	19	568
		Female	12	57	127	39	43	36	49	42	14	29	14	462
7	SMALLPOX(B03)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
8	MEASLES(B05)	Male	1	3	1	1	0	0	0	0	0	0	0	6
		Female	0	8	7	0	0	0	0	0	0	0	0	1
9	ACUTE HEPATITIS(B16)	Male	0	0	0	1	2	8	11	12	6	5	1	46
		Female	0	0	0	1	0	2	1	3	2	3	0	12
10	OTHER VIRAL HEPATITIS(B15, B17-B19)	Male	0	11	6	24	30	42	52	23	14	30	14	246
		Female	0	4	8	31	25	21	19	11	3	7	8	137
11	HUMAN IMMUNODEFICIENCY VIRUS[HIV]DISEASE(B20-B24)	Male	0	0	0	0	63	145	79	47	7	4	28	373
		Female	0	0	0	0	59	71	25	15	4	3	12	189
12	ALL OTHER TYPES OF VIRAL DISEASES (A70-A74,A81,A87-A89, A95, B00-B02,B04,B06-B09 & B25-B34)	Male	5	5	1	9	6	6	21	15	3	10	8	89
		Female	7	5	12	2	6	4	7	6	6	1	2	58
6	PROTOZOAL DISEASES(B50-B64)	Male	0	3	1	20	19	36	26	28	19	21	3	176
		Female	0	2	8	4	8	13	22	14	5	12	8	96
		Total	0	5	9	24	27	49	48	42	24	33	11	272
1	MALARIA(B50-B54)	Male	0	3	1	20	19	36	25	28	19	16	3	170
		Female	0	2	8	4	8	10	22	14	5	12	8	93
2	ALL OTHER TYPES OF PROTOZOAL DISEASES(B55-B64)	Male	0	0	0	0	0	0	1	0	0	5	0	6
		Female	0	0	0	0	0	3	0	0	0	0	0	3

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	OTHER CERTAIN INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (A65-A69 & A75-A79,B35-B49,B65-B94 & B99)	Male	0	6	7	9	8	41	39	9	4	6	5	134
		Female	0	11	12	4	13	31	14	8	5	4	1	103
		Total	0	17	19	13	21	72	53	17	9	10	6	237
1	FILARIASIS(B74)	Male	0	0	0	0	0	1	0	2	0	0	0	3
		Female	0	0	0	0	0	0	0	0	1	0	0	1
2	OTHER HELMINTHIASIS(B65-B73,B75,B77-B83)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	3	0	0	0	0	0	0	0	0	0	3
3	OTHER SPIROCHAETAL DISEASES AND RICKETTSIOSSES (A65-A69 & A75-A79)	Male	0	6	1	3	1	5	12	2	2	0	2	34
		Female	0	5	11	1	2	8	6	4	1	2	0	40
4	ALL OTHER INFECTIOUS AND PARASITIC DISEASES & LATE EFFECTS OF INFECTIOUS AND PARASITIC DISEASES (B35-B49,B65,B76,B85-B94 &B99)	Male	0	0	6	6	7	35	27	5	2	6	3	97
		Female	0	3	1	3	11	23	8	4	3	2	1	59
II	NEOPLASMS (C00-D48)	Male	3	46	73	183	255	479	957	1376	674	1340	139	5525
		Female	2	49	54	106	243	539	791	901	459	816	95	4055
		Total	5	95	127	289	498	1018	1748	2277	1133	2156	234	9580
8	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	22	65	169	175	74	128	9	645
		Female	0	0	0	9	11	27	42	54	33	43	3	222
		Total	0	0	0	12	33	92	211	229	107	171	12	867
1	MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX (C00-C14)	Male	0	0	0	3	22	65	169	175	74	128	9	645
		Female	0	0	0	9	11	27	42	54	33	43	3	222
9	MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS (C15-C26)	Male	0	0	0	1	51	130	266	506	305	427	30	1716
		Female	0	0	0	0	41	94	177	210	120	229	28	899
		Total	0	0	0	1	92	224	443	716	425	656	58	2615

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	MALIGNANT NEOPLASM OF OESOPHAGUS (C15)	Male	0	0	0	0	11	22	41	90	56	65	5	290	
		Female	0	0	0	0	9	17	42	41	25	14	4	152	
2	MALIGNANT NEOPLASM OF STOMACH (C16)	Male	0	0	0	0	8	23	48	69	50	61	8	267	
		Female	0	0	0	0	3	26	46	21	27	31	5	159	
3	MALIGNANT NEOPLASMS OF SMALL INTESTINE INCLUDING DUODENUM (C17)	Male	0	0	0	0	0	0	1	2	0	0	0	3	
		Female	0	0	0	0	0	0	0	0	2	0	0	2	
4	MALIGNANT NEOPLASM OF COLON (C18)	Male	0	0	0	0	4	24	29	48	39	62	4	210	
		Female	0	0	0	0	6	17	23	35	18	31	3	133	
5	MALIGNANT NEOPLASMS OF RECTOSIGMOID JUNCTION,RECTUM, ANUS AND ANAL CANAL (C19-C21)	Male	0	0	0	0	11	6	26	44	28	46	0	161	
		Female	0	0	0	0	8	7	12	26	6	36	6	101	
6	MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPATIC BILE DUCTS (C22)	Male	0	0	0	1	9	37	65	156	97	114	9	488	
		Female	0	0	0	0	3	14	25	34	14	55	8	153	
7	MALIGNANT NEOPLASM OF PANCREAS (C25)	Male	0	0	0	0	7	10	28	53	19	35	4	156	
		Female	0	0	0	0	4	6	11	34	19	34	0	108	
8	OTHER MALIGNANT NEOPLASM OF DIGESTIVE ORGANS (C23-C24,C26)	Male	0	0	0	0	1	8	28	44	16	44	0	141	
		Female	0	0	0	0	8	7	18	17	11	28	2	91	
10	MALIGNANT NEOPLASMS OF RESPIRATORY & INTRATHORACIC ORGANS (C30-C39)	Male	0	0	0	0	17	78	201	340	95	299	29	1059	
		Female	0	0	0	0	17	27	75	68	53	81	8	329	
		Total	0	0	0	0	34	105	276	408	148	380	37	1388	
1	MALIGNANT NEOPLASM OF LARYNX (C32)	Male	0	0	0	0	1	8	37	62	11	46	9	174	
		Female	0	0	0	0	0	1	3	5	7	9	5	30	
2	MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG (C33-C34)	Male	0	0	0	0	14	66	162	276	83	250	20	871	
		Female	0	0	0	0	16	24	65	60	43	70	0	278	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	OTHER MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS (C30-C31,C37-C39)	Male	0	0	0	0	2	4	2	2	1	3	0	14
		Female	0	0	0	0	1	2	7	3	3	2	3	21
11	MALIGNANT NEOPLASMS OF BONE,MESOTHELIAL AND SOFT TISSUE,SKIN AND BREAST (C40-C50)	Male	0	0	0	20	17	8	21	28	13	27	7	141
		Female	0	0	0	8	44	158	200	214	67	145	12	848
		Total	0	0	0	28	61	166	221	242	80	172	19	989
1	MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE (C40-C41)	Male	0	0	0	16	9	5	7	20	7	11	1	76
		Female	0	0	0	6	4	7	4	14	1	5	2	43
2	MALIGNANT MELANOMA OF SKIN (C43)	Male	0	0	0	0	1	1	3	2	0	2	1	10
		Female	0	0	0	0	0	0	2	0	0	4	0	6
3	OTHER MALIGNANT NEOPLASM OF SKIN (C44)	Male	0	0	0	0	3	0	1	0	0	2	0	6
		Female	0	0	0	0	1	0	0	1	0	4	0	6
4	MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE (C45-C49)	Male	0	0	0	4	4	2	10	6	6	12	5	49
		Female	0	0	0	2	2	10	6	16	3	12	0	51
5	MALIGNANT NEOPLASM OF BREAST (C50)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	37	141	188	183	63	120	10	742
12	MALIGNANT NEOPLASMS OF GENITOURINARY ORGANS (C51-C68)	Male	0	0	0	7	6	22	56	106	58	224	15	494
		Female	0	0	0	0	43	105	131	151	85	110	18	643
		Total	0	0	0	7	49	127	187	257	143	334	33	1137
1	MALIGNANT NEOPLASM OF CERVIX UTERI (C53)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	12	63	27	23	32	44	9	210
2	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED PARTS OF UTERUS (C54-C55)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	8	6	17	7	8	2	49

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	MALIGNANT NEOPLASM OF OVARY (C56)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	28	32	88	102	40	51	7	348
4	MALIGNANT NEOPLASMS OF PLACENTA (C58)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
5	OTHER MALIGNANT NEOPLASM OF FEMALE GENITAL ORGANS (C51-C52,C57)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	3	0	3	0	0	6
6	MALIGNANT NEOPLASM OF PROSTATE (C61)	Male	0	0	0	0	0	0	24	46	29	147	4	250
		Female	0	0	0	0	0	0	0	0	0	0	0	0
7	OTHER MALIGNANT NEOPLASM OF MALE GENITAL ORGANS (C60-C62,C63)	Male	0	0	0	6	6	9	13	17	6	19	0	76
		Female	0	0	0	0	0	0	0	0	0	0	0	0
8	MALIGNANT NEOPLASM OF BLADDER (C67)	Male	0	0	0	0	0	9	6	25	16	29	6	91
		Female	0	0	0	0	1	2	4	6	2	6	0	21
9	OTHER MALIGNANT NEOPLASM OF URINARY TRACT (C64-C66,C68)	Male	0	0	0	1	0	4	13	18	7	29	5	77
		Female	0	0	0	0	1	0	3	3	1	1	0	9
13	MALIGNANT NEOPLASMS OF EYE,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C69-C72)	Male	2	11	4	13	11	20	25	25	17	29	4	161
		Female	1	5	5	11	16	7	18	18	3	11	1	96
		Total	3	16	9	24	27	27	43	43	20	40	5	257
1	MALIGNANT NEOPLASMS OF EYE & ADNEXA (C69)	Male	0	4	0	0	0	0	0	0	0	1	0	5
		Female	0	1	0	0	0	0	0	0	0	0	0	1
2	MALIGNANT NEOPLASMS OF MENINGES,BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM (C70-C72)	Male	2	7	4	13	11	20	25	25	17	28	4	156
		Female	1	4	5	11	16	7	18	18	3	11	1	95

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
14	MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES (C73-C80 & C97)	Male	1	6	10	24	40	47	97	113	49	134	21	542	
		Female	1	5	18	17	17	60	70	92	47	75	8	410	
		Total	2	11	28	41	57	107	167	205	96	209	29	952	
1	MALIGNANT NEOPLASMS OF OTHER ILL-DEFINED, SECONDARY, UNSPECIFIED AND MULTIPLE SITES(C73-C80 & C97)	Male	1	6	10	24	40	47	97	113	49	134	21	542	
		Female	1	5	18	17	17	60	70	92	47	75	8	410	
15	MALIGNANT NEOPLASMS OF LYMPHOID, HAEMATOPOIETIC AND RELATED TISSUE (C81-C96)	Male	0	29	59	110	89	105	105	71	59	50	22	699	
		Female	0	39	31	57	48	56	71	86	50	98	14	550	
		Total	0	68	90	167	137	161	176	157	109	148	36	1249	
1	HODGKIN'S DISEASE(C81)	Male	0	0	3	1	3	7	7	1	3	0	4	29	
		Female	0	0	1	8	2	4	1	5	2	8	0	31	
2	NON HODGKIN'S LYMPHOMA(C82-C85)	Male	0	3	8	15	15	20	27	26	16	12	0	142	
		Female	0	2	4	6	6	7	14	18	16	25	4	102	
3	MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS (C90)	Male	0	2	8	7	11	8	6	6	4	5	3	60	
		Female	0	0	0	4	1	4	5	3	4	6	1	28	
4	LEUKAEMIA(C91-C95)	Male	0	24	40	87	60	70	65	38	36	32	15	467	
		Female	0	37	26	39	39	41	51	60	28	59	9	389	
5	OTHER MALIGNANT NEOPLASMS OF LYMPHOID,HAEMATOPOIETIC AND RELATED TISSUE (C88 & C96)	Male	0	0	0	0	0	0	0	0	0	1	0	1	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
16	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	0	0	1	1	0	2	
		Female	0	0	0	0	2	0	0	1	0	1	0	4	
		Total	0	0	0	0	2	0	0	1	1	2	0	6	
1	CARCINOMA IN SITU(D00-D09)	Male	0	0	0	0	0	0	0	0	1	1	0	2	
		Female	0	0	0	0	2	0	0	1	0	1	0	4	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
17	BENIGN NEOPLASMS(D10-D36)	Male	0	0	0	2	1	0	6	4	1	3	1	18
		Female	0	0	0	0	1	1	0	2	1	13	0	18
		Total	0	0	0	2	2	1	6	6	2	16	1	36
1	LEIOMYOMA OF UTERUS(D25)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	4	0	4
2	ALL OTHER BENIGN NEOPLASMS(D10-D24,D26-D36)	Male	0	0	0	2	1	0	6	4	1	3	1	18
		Female	0	0	0	0	1	1	0	2	1	9	0	14
18	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	3	1	4	11	8	2	18	1	48
		Female	0	0	0	4	3	4	7	5	0	10	3	36
		Total	0	0	0	7	4	8	18	13	2	28	4	84
1	OTHER AND UNSPECIFIED NEOPLASM(D37-D48)	Male	0	0	0	3	1	4	11	8	2	18	1	48
		Female	0	0	0	4	3	4	7	5	0	10	3	36
III	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	EMale	1	35	36	89	104	191	170	196	99	234	67	1222
		Female	0	33	49	150	155	182	144	183	63	217	47	1223
		Total	1	68	85	239	259	373	314	379	162	451	114	2445
19	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	1	35	36	89	104	191	170	196	99	234	67	1222
		Female	0	33	49	150	155	182	144	183	63	217	47	1223
		Total	1	68	85	239	259	373	314	379	162	451	114	2445
1	THALASSAEMIA(D56)	Male	1	5	5	3	0	0	0	0	0	0	1	15
		Female	0	3	2	1	0	0	0	0	0	0	1	7
2	OTHER ANAEMIAS(D50-D55,D57-D64)	Male	0	13	16	59	69	150	128	158	82	191	58	924
		Female	0	15	25	114	115	153	109	160	60	203	39	993
3	ALL OTHER DISEASES OF BLOOD & BLOOD FORMING ORGANS (D65-D77)	Male	0	17	15	27	33	36	41	32	16	42	8	267
		Female	0	15	22	32	27	24	32	22	3	13	7	197

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
4	CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D80-D89)	Male	0	0	0	0	2	5	1	6	1	1	0	16
		Female	0	0	0	3	13	5	3	1	0	1	0	26
IV	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0	14	12	47	109	299	656	1027	627	1567	248	4606
		Female	0	18	7	59	64	148	407	730	519	1332	148	3432
		Total	0	32	19	106	173	447	1063	1757	1146	2899	396	8038
20	MALNUTRITION(E40-E46)	Male	0	7	5	4	5	9	15	9	14	22	12	102
		Female	0	13	2	3	6	2	2	5	5	26	1	65
		Total	0	20	7	7	11	11	17	14	19	48	13	167
1	KWASHIORKOR(E40)	Male	0	0	2	1	0	0	2	2	0	5	4	16
		Female	0	2	0	0	2	0	1	2	2	2	0	11
2	NUTRITIONAL MARASMUS(E41)	Male	0	6	1	1	4	9	9	6	13	9	8	66
		Female	0	9	2	2	4	2	0	2	2	6	1	30
3	OTHER PROTEIN-ENERGY MALNUTRITION(E42-E46)	Male	0	1	2	2	1	0	4	1	1	8	0	20
		Female	0	2	0	1	0	0	1	1	1	18	0	24
21	ENDOCRINE,OTHER NUTRITIONAL AND METABOLIC DISEASES (E00-E34 & E50-E89)	Male	0	7	7	43	104	290	641	1018	613	1545	236	4504
		Female	0	5	5	56	58	146	405	725	514	1306	147	3367
		Total	0	12	12	99	162	436	1046	1743	1127	2851	383	7871
1	DISORDERS OF THYROID GLAND(E00-E07)	Male	0	0	0	3	4	6	23	15	8	41	3	103
		Female	0	0	0	10	12	19	34	47	36	77	6	241
2	DIABETES MELLITUS(E10-E14)	Male	0	0	0	22	56	198	519	900	525	1314	178	3712
		Female	0	0	0	35	40	106	321	599	446	1073	122	2742
3	ALL OTHER NUTRITIONAL DEFICIENCIES(E50-E64)	Male	0	0	1	5	4	7	7	2	5	12	1	44
		Female	0	0	3	0	0	2	3	2	1	3	0	14

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
4	ALL OTHER ENDOCRINE AND METABOLIC DISEASES (E15-E34 & E65-E89)	Male	0	7	6	13	40	79	92	101	75	178	54	645	
		Female	0	5	2	11	6	19	47	77	31	153	19	370	
V	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	7	27	43	45	27	8	19	16	192	
		Female	0	0	0	3	4	8	4	11	5	16	3	54	
		Total	0	0	0	10	31	51	49	38	13	35	19	246	
22	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0	0	0	7	27	43	45	27	8	19	16	192	
		Female	0	0	0	3	4	8	4	11	5	16	3	54	
		Total	0	0	0	10	31	51	49	38	13	35	19	246	
1	MENTAL AND BEHAVIOURAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE (F10-F19)	Male	0	0	0	3	21	36	33	14	6	12	8	133	
		Female	0	0	0	1	0	2	0	2	0	2	2	9	
2	SCHIZOPHRENIA, SCHIZOTYPAL & DELUSIONAL DISORDERS (F20-F29)	Male	0	0	0	2	3	6	8	11	2	5	7	44	
		Female	0	0	0	1	4	6	4	8	4	10	0	37	
3	ALL OTHER MENTAL BEHAVIOURAL DISORDERS(F01-F09,F30-F99)	Male	0	0	0	2	3	1	4	2	0	2	1	15	
		Female	0	0	0	1	0	0	0	1	1	4	1	8	
VI	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	Male	137	95	130	161	255	285	317	284	168	456	129	2417	
		Female	100	66	105	160	143	147	150	149	92	273	66	1451	
		Total	237	161	235	321	398	432	467	433	260	729	195	3868	
23	INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM (G00-G09)	Male	106	56	64	90	156	150	119	82	44	93	42	1002	
		Female	78	37	61	86	103	80	66	44	30	48	32	665	
		Total	184	93	125	176	259	230	185	126	74	141	74	1667	
1	MENINGITIS(G00 & G03)	Male	81	28	40	42	68	76	66	38	22	35	18	514	
		Female	65	14	32	24	40	32	36	24	12	27	17	323	
2	ENCEPHALITIS,MYELITIS AND ENCEPHALOMYELITIS(G04)	Male	25	28	24	42	59	59	40	36	15	53	20	401	
		Female	13	23	29	42	32	36	24	16	14	15	9	253	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	OTHER INFLAMMATORY DISEASES OF THE CENTRAL NERVOUS SYSTEM(G06,G08-G09)	Male	0	0	0	6	29	15	13	8	7	5	4	87
		Female	0	0	0	20	31	12	6	4	4	6	6	89
24	OTHER DISEASES OF THE NERVOUS SYSTEM(G10-G98)	Male	31	39	66	71	99	135	198	202	124	363	87	1415
		Female	22	29	44	74	40	67	84	105	62	225	34	786
		Total	53	68	110	145	139	202	282	307	186	588	121	2201
1	ALZHEIMER'S DISEASE(G30)	Male	0	0	0	0	0	0	0	0	1	19	1	21
		Female	0	0	0	0	0	0	0	0	4	20	1	25
2	EPILEPSY(G40-G41)	Male	0	12	29	16	31	47	33	26	9	24	18	245
		Female	0	7	19	33	14	14	14	8	4	15	11	139
3	ALL OTHER DISEASES OF THE NERVOUS SYSTEM (G10-G25,G31,G35-G37,G43-G98)	Male	31	27	37	55	68	88	165	176	114	320	68	1149
		Female	22	22	25	41	26	53	70	97	54	190	22	622
VII	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0	0	0	2	1	0	2	1	0	0	1	7
		Female	0	0	0	0	1	3	0	1	0	0	0	5
		Total	0	0	0	2	2	3	2	2	0	0	1	12
25	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	2	1	0	2	1	0	0	1	7
		Female	0	0	0	0	1	3	0	1	0	0	0	5
		Total	0	0	0	2	2	3	2	2	0	0	1	12
1	DISEASES OF THE EYE AND ADNEXA(H00-H59)	Male	0	0	0	2	1	0	2	1	0	0	1	7
		Female	0	0	0	0	1	3	0	1	0	0	0	5
VIII	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	1	5	0	0	0	0	0	0	6
		Female	0	0	0	0	5	0	0	0	0	0	0	5
		Total	0	0	0	1	10	0	0	0	0	0	0	11

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	1	5	0	0	0	0	0	0	6
		Female	0	0	0	0	5	0	0	0	0	0	0	5
		Total	0	0	0	1	10	0	0	0	0	0	0	11
1	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	Male	0	0	0	1	5	0	0	0	0	0	0	6
		Female	0	0	0	0	5	0	0	0	0	0	0	5
IX	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	Male	32	23	50	142	872	2195	3871	5855	3509	8448	1387	26384
		Female	23	25	59	107	431	888	1571	2773	2056	6369	695	14997
		Total	55	48	109	249	1303	3083	5442	8628	5565	14817	2082	41381
27	ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES (I00-I09)	Male	23	20	50	141	87	102	143	133	52	106	32	889
		Female	18	24	59	101	103	141	157	139	62	133	43	980
		Total	41	44	109	242	190	243	300	272	114	239	75	1869
1	ACUTE RHEUMATIC FEVER(I00-I02)	Male	11	16	27	49	12	9	4	4	6	6	3	147
		Female	13	19	29	24	8	7	5	9	1	8	0	123
2	CHRONIC RHEUMATIC HEART DISEASES(I05-I09)	Male	12	4	23	92	75	93	139	129	46	100	29	742
		Female	5	5	30	77	95	134	152	130	61	125	43	857
28	HYPERTENSIVE DISEASES(I10-I115)	Male	0	0	0	0	6	186	500	945	547	1431	202	3817
		Female	0	0	0	0	1	103	233	503	375	1218	105	2538
		Total	0	0	0	0	7	289	733	1448	922	2649	307	6355
1	HYPERTENSIVE HEART DISEASES (I11)	Male	0	0	0	0	0	18	40	86	41	112	12	309
		Female	0	0	0	0	0	8	24	36	34	96	6	204
2	ALL OTHER HYPERTENSIVE DISEASES (I10, I12-I15)	Male	0	0	0	0	6	168	460	859	506	1319	190	3508
		Female	0	0	0	0	1	95	209	467	341	1122	99	2334

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
29	ISCHAEMIC HEART DISEASES(I20-I25)	Male	9	3	0	1	335	781	1576	2467	1400	3464	612	10648	
		Female	5	1	0	6	111	251	501	1061	778	2548	272	5534	
		Total	14	4	0	7	446	1032	2077	3528	2178	6012	884	16182	
1	ACUTE MYOCARDIAL INFARCTION(I21-I22)	Male	0	0	0	0	256	546	960	1208	693	1580	379	5622	
		Female	0	0	0	0	84	154	259	534	404	1263	150	2848	
2	ALL OTHER ISCHAEMIC HEART DISEASES(I20& I23-I25)	Male	9	3	0	1	79	235	616	1259	707	1884	233	5026	
		Female	5	1	0	6	27	97	242	527	374	1285	122	2686	
30	DISEASES OF PULMONARY CIRCULATION AND OTHER FORMS OF HEART DISEASE (I26-I51)	Male	0	0	0	0	226	508	669	1045	693	1576	217	4934	
		Female	0	0	0	0	115	185	311	512	420	1232	154	2929	
		Total	0	0	0	0	341	693	980	1557	1113	2808	371	7863	
1	PULMONARY HEART DISEASES AND DISEASES OF PULMONARY CIRCULATION (I26-I28)	Male	0	0	0	0	25	91	79	168	93	327	38	821	
		Female	0	0	0	0	30	44	60	106	46	232	25	543	
2	OTHER FORMS OF HEART DISEASES (I30-I51)	Male	0	0	0	0	201	417	590	877	600	1249	179	4113	
		Female	0	0	0	0	85	141	251	406	374	1000	129	2386	
31	CEREBROVASCULAR DISEASES (I60-I69)	Male	0	0	0	0	195	522	866	1115	727	1653	294	5372	
		Female	0	0	0	0	75	158	309	472	367	1108	105	2594	
		Total	0	0	0	0	270	680	1175	1587	1094	2761	399	7966	
1	CEREBROVASCULAR DISEASES(I60-I69)	Male	0	0	0	0	195	522	866	1115	727	1653	294	5372	
		Female	0	0	0	0	75	158	309	472	367	1108	105	2594	
32	OTHER DISEASES OF THE CIRCULATORY SYSTEM(I70-I99)	Male	0	0	0	0	23	96	117	150	90	218	30	724	
		Female	0	0	0	0	26	50	60	86	54	130	16	422	
		Total	0	0	0	0	49	146	177	236	144	348	46	1146	
1	ATHEROSCLEROSIS(I70)	Male	0	0	0	0	1	18	21	32	16	39	4	131	
		Female	0	0	0	0	4	9	10	15	7	18	1	64	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	ARTERIAL EMBOLISM AND THROMBOSIS(I74)	Male	0	0	0	0	4	13	13	12	8	29	2	81
		Female	0	0	0	0	6	7	5	10	6	19	3	56
3	OTHER DISEASES OF ARTERIES, ARTERIOLES & CAPILLARIES (I71-I73 & I77-I78)	Male	0	0	0	0	5	17	30	37	30	56	6	181
		Female	0	0	0	0	4	12	18	13	11	39	3	100
4	PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS(I80-I82)	Male	0	0	0	0	8	30	38	38	22	56	7	199
		Female	0	0	0	0	10	16	13	19	15	20	6	99
5	ALL OTHER DISEASES OF THE CIRCULATORY SYSTEM(I83-I99)	Male	0	0	0	0	5	18	15	31	14	38	11	132
		Female	0	0	0	0	2	6	14	29	15	34	3	103
X	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	Male	0	84	82	126	309	604	1002	1615	970	2853	495	8140
		Female	0	87	67	155	218	310	444	727	501	1494	209	4212
		Total	0	171	149	281	527	914	1446	2342	1471	4347	704	12352
33	DISEASES OF THE UPPER RESPIRATORY TRACT (J00-J06 & J30-J39)	Male	0	11	6	3	12	8	11	22	24	34	4	135
		Female	0	15	5	5	8	3	4	8	2	11	1	62
		Total	0	26	11	8	20	11	15	30	26	45	5	197
1	ACUTE PHARYNGITIS AND ACUTE TONSILLITIS(J02-J03)	Male	0	10	6	2	0	2	2	5	2	6	0	35
		Female	0	15	4	3	4	1	1	0	1	3	0	32
2	ACUTE LARYNGITIS AND TRACHEITIS(J04)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	0	0	0	0	1	0	2
3	OTHER ACUTE UPPER RESPIRATORY INFECTIONS(J00-J01 & J05-J06)	Male	0	0	0	0	0	0	0	2	3	1	0	6
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	ALL OTHER DISEASES OF UPPER RESPIRATORY TRACT(J30-J39)	Male	0	1	0	1	12	6	9	15	19	27	4	94
		Female	0	0	1	2	3	2	3	8	1	7	1	28

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
34	LOWER RESPIRATORY DISEASES(J20-J22 & J40-J47)	Male	0	4	7	9	58	147	413	862	584	1824	275	4183	
		Female	0	5	5	11	39	91	156	344	265	866	100	1882	
		Total	0	9	12	20	97	238	569	1206	849	2690	375	6065	
1	ACUTE BRONCHITIS AND ACUTE BRONCHIOLITIS(J20-J21)	Male	0	0	0	0	0	0	1	1	6	3	1	12	
		Female	0	0	0	0	0	0	2	1	0	2	0	5	
2	BRONCHITIS, CHRONIC AND UNSPECIFIED EMPHYSEMA(J40-J43)	Male	0	0	0	0	8	16	24	49	28	128	14	267	
		Female	0	0	0	0	6	7	15	28	19	88	9	172	
3	ASTHMA(J45-J46)	Male	0	0	0	0	17	28	82	150	99	307	49	732	
		Female	0	0	0	0	13	32	48	98	73	245	37	546	
4	OTHER LOWER RESPIRATORY DISORDERS(J22,J44 & J47)	Male	0	4	7	9	33	103	306	662	451	1386	211	3172	
		Female	0	5	5	11	20	52	91	217	173	531	54	1159	
35	OTHER DISEASES OF THE RESPIRATORY SYSTEM (J10-J18,J60-J98)	Male	0	69	69	114	239	449	578	731	362	995	216	3822	
		Female	0	67	57	139	171	216	284	375	234	617	108	2268	
		Total	0	136	126	253	410	665	862	1106	596	1612	324	6090	
1	INFLUENZA(J10-J11)	Male	0	0	0	0	0	2	3	2	2	4	0	13	
		Female	0	0	0	0	0	0	0	2	3	3	0	8	
2	PNEUMONIA(J12-J18)	Male	0	50	45	35	101	206	239	329	135	510	104	1754	
		Female	0	48	25	59	74	111	141	184	109	299	64	1114	
3	PLEURISY(J90)	Male	0	0	0	8	11	27	32	61	32	49	11	231	
		Female	0	0	0	6	16	8	22	22	15	35	5	129	
4	ALL OTHER DISEASES OF THE RESPIRATORY SYSTEM (J60-J86,J92-J98)	Male	0	19	24	71	127	214	304	339	193	432	101	1824	
		Female	0	19	32	74	81	97	121	167	107	280	39	1017	
XI	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	Male	0	18	35	166	769	1675	2006	1406	534	849	330	7788	
		Female	0	5	17	89	141	193	359	320	175	381	70	1750	
		Total	0	23	52	255	910	1868	2365	1726	709	1230	400	9538	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
36	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS (K00-K14)	Male	0	0	0	0	4	3	12	17	5	10	0	51	
		Female	0	0	0	1	1	5	4	3	3	2	0	19	
		Total	0	0	0	1	5	8	16	20	8	12	0	70	
1	DISEASES OF ORAL CAVITY, SALIVARY GLANDS AND JAWS (K00-K14)	Male	0	0	0	0	4	3	12	17	5	10	0	51	
		Female	0	0	0	1	1	5	4	3	3	2	0	19	
37	DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM (K20-K92)	Male	0	18	35	166	765	1672	1994	1389	529	839	330	7737	
		Female	0	5	17	88	140	188	355	317	172	379	70	1731	
		Total	0	23	52	254	905	1860	2349	1706	701	1218	400	9468	
1	GASTRIC AND DUODENAL ULCER(K25-K27)	Male	0	0	0	3	9	9	26	19	14	22	6	108	
		Female	0	0	0	0	1	5	1	3	5	21	0	36	
2	GASTRITIS AND DUODENITIS (K29)	Male	0	0	0	0	0	0	0	3	0	0	0	3	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	DISEASES OF APPENDIX(K35-K38)	Male	0	0	0	4	17	20	32	44	16	41	13	187	
		Female	0	0	0	1	7	5	14	13	10	15	3	68	
4	HERNIA(K40-K46)	Male	0	0	0	0	5	7	7	13	2	30	5	69	
		Female	0	0	0	3	2	4	3	10	5	12	2	41	
5	PARALYTIC ILEUS AND INTESTINAL OBSTRUCTION WITHOUT HERNIA (K56)	Male	0	0	0	1	9	8	20	27	20	32	3	120	
		Female	0	0	0	6	7	9	7	21	7	41	4	102	
6	PERITONITIS (K65)	Male	0	0	0	15	47	65	102	102	53	66	22	472	
		Female	0	0	0	9	29	14	32	30	17	39	6	176	
7	DISEASES OF THE LIVER (K70-K76)	Male	0	18	35	100	560	1329	1592	992	333	457	228	5644	
		Female	0	5	17	42	67	106	233	173	72	151	41	907	
8	CHOLELITHIASIS AND CHOLECYSTITIS (K80-K81)	Male	0	0	0	4	2	5	15	15	8	20	3	72	
		Female	0	0	0	0	2	9	9	7	8	14	0	49	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
9	DISORDERS OF THE PANCREAS (K85-K86)	Male	0	0	0	15	56	106	71	40	14	33	15	350	
		Female	0	0	0	6	4	5	11	21	6	9	6	68	
10	ALL OTHER DISEASES OF THE OTHER PARTS OF DIGESTIVE SYSTEM (K20-K22,K28,K30-K31, K50-K55,K57-K63,K66,K82-K83 & K90-K92)	Male	0	0	0	24	60	123	129	134	69	138	35	712	
		Female	0	0	0	21	21	31	45	39	42	77	8	284	
XII	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	0	15	28	58	108	159	83	201	56	708	
		Female	0	0	0	26	11	29	56	60	50	115	17	364	
		Total	0	0	0	41	39	87	164	219	133	316	73	1072	
38	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	Male	0	0	0	15	28	58	108	159	83	201	56	708	
		Female	0	0	0	26	11	29	56	60	50	115	17	364	
		Total	0	0	0	41	39	87	164	219	133	316	73	1072	
1	INFECTIONS OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L08)	Male	0	0	0	8	15	48	92	146	68	179	48	604	
		Female	0	0	0	10	2	12	41	44	43	88	14	254	
2	ALL OTHER DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (L10-L98)	Male	0	0	0	7	13	10	16	13	15	22	8	104	
		Female	0	0	0	16	9	17	15	16	7	27	3	110	
XIII	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0	0	0	10	6	8	25	40	15	48	10	162	
		Female	0	0	0	9	9	20	23	33	25	45	9	173	
		Total	0	0	0	19	15	28	48	73	40	93	19	335	
39	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0	0	0	10	6	8	25	40	15	48	10	162	
		Female	0	0	0	9	9	20	23	33	25	45	9	173	
		Total	0	0	0	19	15	28	48	73	40	93	19	335	
1	RHEUMATOID ARTHRITIS AND OTHER INFLAMMATORY POLYARTHROPATHIES(M05-M13)	Male	0	0	0	2	1	3	4	8	4	12	5	39	
		Female	0	0	0	4	2	9	10	16	11	17	3	72	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	OSTEOMYELITIS(M86)	Male	0	0	0	1	0	0	2	1	0	0	0	4	
		Female	0	0	0	0	0	0	0	0	2	0	0	2	
3	ALL OTHER DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M02,M15-M43,M45-M85,M87-M99)	Male	0	0	0	7	5	5	19	31	11	36	5	119	
		Female	0	0	0	5	7	11	13	17	12	28	6	99	
XIV	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0	15	14	91	144	236	455	673	383	995	137	3143	
		Female	0	5	17	72	101	109	254	340	259	591	73	1821	
		Total	0	20	31	163	245	345	709	1013	642	1586	210	4964	
40	DISEASES OF URINARY SYSTEM(N00-N39)	Male	0	15	14	91	137	228	450	660	370	955	131	3051	
		Female	0	5	17	72	97	107	251	336	257	577	73	1792	
		Total	0	20	31	163	234	335	701	996	627	1532	204	4843	
1	GLOMERULAR DISEASES(INCLUDING NEPHRITIC SYNDROME)(N00-N07)	Male	0	15	13	6	3	3	8	5	1	3	2	59	
		Female	0	3	17	19	12	3	2	9	6	5	3	79	
2	RENAL TUBULO-INTERSTITIAL DISEASES(N10-N15)	Male	0	0	1	5	4	9	32	25	10	29	5	120	
		Female	0	2	0	6	11	8	21	25	12	17	3	105	
3	RENAL FAILURE(N17-N19)	Male	0	0	0	51	87	156	298	428	231	589	93	1933	
		Female	0	0	0	39	55	53	151	169	159	340	50	1016	
4	UROLITHIASIS(N20-N23)	Male	0	0	0	3	0	0	4	6	1	3	2	19	
		Female	0	0	0	1	1	3	1	3	2	0	0	11	
5	OTHER DISORDERS OF KIDNEY AND URETER(N25-N28)	Male	0	0	0	16	25	40	65	121	74	141	13	495	
		Female	0	0	0	3	15	16	53	62	30	64	9	252	
6	ALL OTHER DISEASES OF URINARY SYSTEM (N30-N39)	Male	0	0	0	10	18	20	43	75	53	190	16	425	
		Female	0	0	0	4	3	24	23	68	48	151	8	329	
41	OTHER DISEASES OF THE GENITOURINARY SYSTEM (N40-N99)	Male	0	0	0	0	7	8	5	13	13	40	6	92	
		Female	0	0	0	0	4	2	3	4	2	14	0	29	
		Total	0	0	0	0	11	10	8	17	15	54	6	121	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	HYPERPLASIA OF PROSTATE(N40)	Male	0	0	0	0	0	0	0	4	3	13	3	23
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	ALL OTHER DISEASES OF MALE GENITAL ORGANS(N41-N50)	Male	0	0	0	0	7	8	5	9	10	27	3	69
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	SALPINGITIS AND OOPHORITIS(N70)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	0	2	0	0	0	0	3
4	ALL OTHER DISEASES OF FEMALE GENITAL ORGANS (N60-N64,N71-N76,N80-N99)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	3	2	1	4	2	14	0	26
XV	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Female	0	0	0	366	354	38	0	0	0	0	0	758
		Total	0	0	0	366	354	38	0	0	0	0	0	758
42	PREGNANCY WITH ABORTIVE OUTCOME (O00-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	16	36	4	0	0	0	0	0	56
		Total	0	0	0	16	36	4	0	0	0	0	0	56
1	SPONTANEOUS ABORTION (O03)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	1	0	0	0	0	0	0	1
2	MEDICAL ABORTION(O04)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	OTHER PREGNANCIES WITH ABORTIVE OUTCOME (O00-O02 & O05-O08)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	16	35	4	0	0	0	0	0	55
43	OTHER DIRECT OBSTETRIC DEATHS (O10-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	343	316	34	0	0	0	0	0	693
		Total	0	0	0	343	316	34	0	0	0	0	0	693

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1	OEDEMA,PROTEINURIA AND HYPERTENSIVE DISORDERS IN PREGNANCY,CHILD BIRTH AND PUERPERIUM(O10-O16)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	73	82	10	0	0	0	0	0	165	
2	INFECTIONS OF GENITOURINARY TRACT IN PREGNANCY(O23)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
3	OBSTRUCTED LABOUR(O64-O66)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	2	2	2	0	0	0	0	0	6	
4	COMPLICATIONS PRE-DOMINANTLY RELATED TO THE PUERPERIUM(O85-O92)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	127	115	10	0	0	0	0	0	252	
5	OTHER COMPLICATIONS OF PREGNANCY AND DELIVERY (O20-O22,O24-O63,O67-O75, O80-O84)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	141	117	12	0	0	0	0	0	270	
44	OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	7	2	0	0	0	0	0	0	9	
		Total	0	0	0	7	2	0	0	0	0	0	0	9	
1	INDIRECT OBSTETRIC DEATHS(O98-O99)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	6	1	0	0	0	0	0	0	7	
2	ALL OTHER OBSTETRIC CONDITIONS,NOT ELSEWHERE CLASSIFIED (O95-O97)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	1	1	0	0	0	0	0	0	2	
XVI	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	8053	0	0	0	0	0	0	0	0	0	0	8053	
		Female	5353	0	0	0	0	0	0	0	0	0	0	5353	
		Total	13406	0	0	0	0	0	0	0	0	0	0	13406	
45	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	8053	0	0	0	0	0	0	0	0	0	0	8053	
		Female	5353	0	0	0	0	0	0	0	0	0	0	5353	
		Total	13406	0	0	0	0	0	0	0	0	0	0	13406	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	SLOW FETAL GROWTH,FETAL MALNUTRITION AND IMMATURITY (P05-P07)	Male	2165	0	0	0	0	0	0	0	0	0	0	2165
		Female	1484	0	0	0	0	0	0	0	0	0	0	1484
2	BIRTH TRAUMA(P10-P15)	Male	4	0	0	0	0	0	0	0	0	0	0	4
		Female	2	0	0	0	0	0	0	0	0	0	0	2
3	HYPOXIA,BIRTH ASPHYXIA AND OTHER RESPIRATORY CONDITIONS(P20-P28)	Male	3962	0	0	0	0	0	0	0	0	0	0	3962
		Female	2597	0	0	0	0	0	0	0	0	0	0	2597
4	HAEMOLYTIC DISEASE OF FETUS AND NEW-BORN (P55)	Male	5	0	0	0	0	0	0	0	0	0	0	5
		Female	3	0	0	0	0	0	0	0	0	0	0	3
5	OTHER PERINATAL JAUNDICE(P58-P59)	Male	70	0	0	0	0	0	0	0	0	0	0	70
		Female	41	0	0	0	0	0	0	0	0	0	0	41
6	ALL OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P04,P08,P29-P54, P56-P57,P60-P96)	Male	1847	0	0	0	0	0	0	0	0	0	0	1847
		Female	1226	0	0	0	0	0	0	0	0	0	0	1226
XVII	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	903	202	156	74	0	0	0	0	0	0	17	1352
		Female	522	179	94	93	0	0	0	0	0	0	11	899
		Total	1425	381	250	167	0	0	0	0	0	0	28	2251
46	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	903	202	156	74	0	0	0	0	0	0	17	1352
		Female	522	179	94	93	0	0	0	0	0	0	11	899
		Total	1425	381	250	167	0	0	0	0	0	0	28	2251
1	SPINA BIFIDA(Q05)	Male	24	2	0	0	0	0	0	0	0	0	0	26
		Female	14	2	2	0	0	0	0	0	0	0	0	18
2	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM (Q20-Q28)	Male	556	102	64	39	0	0	0	0	0	0	16	777
		Female	336	89	43	37	0	0	0	0	0	0	2	507

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3	CLEFT LIP AND CLEFT PALATE(Q35-Q37)	Male	3	0	0	0	0	0	0	0	0	0	0	3
		Female	2	0	0	0	0	0	0	0	0	0	0	2
4	ALL OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED (Q00-Q04,Q06-Q07,Q10-Q18,Q30-Q34,Q38-Q99)	Male	320	98	92	35	0	0	0	0	0	0	1	546
		Female	170	88	49	56	0	0	0	0	0	0	9	372
XVIII	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS NOT ELSEWHERE CLASSIFIED (R00-R99)	FMale	0	3	20	25	55	116	137	229	114	584	106	1389
		Female	0	2	8	21	45	48	90	102	89	586	69	1060
		Total	0	5	28	46	100	164	227	331	203	1170	175	2449
47	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS NOT ELSEWHERE CLASSIFIED (R00-R99)	Male	0	3	20	25	55	116	137	229	114	584	106	1389
		Female	0	2	8	21	45	48	90	102	89	586	69	1060
		Total	0	5	28	46	100	164	227	331	203	1170	175	2449
1	ABDOMINAL AND PELVIC PAIN(R10)	Male	0	0	0	0	0	2	5	9	0	5	1	22
		Female	0	0	0	4	0	1	0	0	0	2	1	8
2	ASCITES(R18)	Male	0	0	0	0	0	0	0	1	1	0	0	2
		Female	0	0	0	0	0	0	0	1	0	2	0	3
3	SOMNOLENCE, STUPOR AND COMA(R40)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	FEVER OF UNKNOWN ORIGIN(R50)	Male	0	0	2	9	4	5	3	13	1	8	3	48
		Female	0	0	2	3	6	1	5	2	4	3	2	28
5	SENILITY(R54)	Male	0	0	0	0	0	0	0	0	5	69	4	78
		Female	0	0	0	0	0	0	0	0	1	81	6	88
6	SYNCOPE AND COLLAPSE(R55)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
7	CONVULSIONS, NOT ELSEWHERE CLASSIFIED(R56)	Male	0	0	9	2	8	8	16	6	2	18	7	76
		Female	0	0	0	4	0	4	9	4	2	7	2	32
8	SHOCK, NOT ELSEWHERE CLASSIFIED(R57)	Male	0	0	0	3	10	11	12	19	5	16	1	77
		Female	0	0	0	1	15	8	17	2	5	25	4	77
9	ALL OTHER SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R00-R09,R11-R17,R19-R39,R41-R49,R51-R53,R58-R99)	Male	0	3	9	11	33	90	101	181	100	468	90	1086
		Female	0	2	6	9	24	34	59	93	77	466	54	824
XIX	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES(S00-T98)	Male	43	151	255	1416	2174	1996	1695	1169	414	654	747	10714
		Female	29	110	208	1470	1377	786	529	387	165	383	336	5780
		Total	72	261	463	2886	3551	2782	2224	1556	579	1037	1083	16494
48	FRACTURES(S02,S12,S22,S32,S42,S52,S62,S72,S82,S92, T10,T12,T02,T08)	Male	0	2	13	59	50	53	48	47	13	31	35	351
		Female	0	4	2	5	10	13	10	10	8	43	3	108
		Total	0	6	15	64	60	66	58	57	21	74	38	459
1	FRACTURE OF SKULL AND FACIAL BONES(S02)	Male	0	0	0	2	2	1	0	0	0	0	2	7
		Female	0	0	0	0	0	0	1	0	0	0	0	1
2	FRACTURE OF NECK,THORAX OR PELVIS(S12,S22,S32 & T08)	Male	0	0	3	1	1	7	2	3	0	4	5	26
		Female	0	0	0	0	1	0	0	0	0	0	0	1
3	FRACTURE OF UPPER LIMB(S42,S52,S62 & T10)	Male	0	0	0	0	1	1	0	0	0	0	0	2
		Female	0	0	0	0	0	0	0	0	0	0	0	0
4	FRACTURE OF LOWER LIMB(S72,S82,S92 & T12)	Male	0	0	1	2	7	3	2	4	5	21	1	46
		Female	0	0	1	0	1	2	2	4	6	33	2	51
5	FRACTURES INVOLVING MULTIPLE BODY REGIONS, AND OF UNSPECIFIED BODY REGION(T02)	Male	0	2	9	54	39	41	44	40	8	6	27	270
		Female	0	4	1	5	8	11	7	6	2	10	1	55

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
49	DISLOCATIONS,SPRAINS AND STRAINS OF SPECIFIED AND	Male	0	0	3	18	11	21	18	19	9	20	7	126
	MULTIPLE BODY REGIONS	Female	0	0	0	4	3	4	4	2	1	5	3	26
	(S03,S13,S23,S33,S43,S53,S63,S73,S83,S93,T03)	Total	0	0	3	22	14	25	22	21	10	25	10	152
50	INTRACRANIAL AND INTERNAL INJURIESINCLUDING NERVES	Male	7	12	30	146	206	214	214	151	57	82	60	1179
	(S04,S06,S14, S26-S27,S34,S36-S37,S44,S54,S64,S74,S84 & S94)	Female	1	5	10	32	34	24	24	30	13	29	14	216
		Total	8	17	40	178	240	238	238	181	70	111	74	1395
51	CRUSHING INJURIES AND TRAUMATIC AMPUTATIONS OF	Male	0	4	1	3	5	5	5	13	7	1	4	48
	SPECIFIED AND MULTIPLE BODY REGIONS (S07-S08,S17-S18,	Female	0	0	0	0	0	0	1	0	9	2	1	13
	S28,S38,S47-S48,S57,S77-S78,S87-S88,S97-S98,T04-T05)	Total	0	4	1	3	5	5	6	13	16	3	5	61
52	OTHER INJURIES OF SPECIFIED,UNSPECIFIED AND MULTIPLE	Male	13	41	87	521	710	694	674	461	190	302	235	3928
	BODY REGIONS (S00-S01,S05,S09-S11, S15-S16,S19-S21,S25,	Female	3	26	34	73	118	127	157	133	47	110	44	872
	S29-S31,S35,S39-S41,S45-S46, S49-S51,S55-S56,S59-S61,	Total	16	67	121	594	828	821	831	594	237	412	279	4800
	S65-S66,S69-S71,S75-S76,S79-S81, S85-S86, S89-S91,S95-S96,													
	S99,T00-T01,T06-T07,T09,T11 & T13-T14)													
53	EFFECTS OF FOREIGN BODY ENTERING THROUGH	Male	0	2	1	1	0	1	1	0	0	0	1	7
	NATURAL ORIFICE(T15-T19)	Female	0	0	0	1	1	0	0	0	1	0	0	3
		Total	0	2	1	2	1	1	1	0	1	0	1	10
54	BURNS AND CORROSIONS(T20-T32)	Male	12	45	50	163	299	239	110	65	9	50	83	1125
		Female	13	48	78	762	778	382	141	86	38	119	149	2594
		Total	25	93	128	925	1077	621	251	151	47	169	232	3719
55	POISONINGS BY DRUGS AND BIOLOGICAL SUBSTANCES	Male	10	39	62	449	838	713	568	382	124	154	294	3633
	AND TOXIC EFFECTS OFSUBSTANCES CHIEFLY NONMEDICINAL	Female	10	24	80	518	380	216	176	113	46	68	111	1742
	AS TO SOURCE (T36-T50,T51-T65)	Total	20	63	142	967	1218	929	744	495	170	222	405	5375
56	OTHER AND UNSPECIFIED EFFECTS OF EXTERNAL CAUSES	Male	1	6	8	49	51	40	39	20	4	11	18	247
	AND CERTAIN EARLY COMPLICATIONS OF TRAUMA	Female	2	3	4	72	52	19	9	11	2	5	11	190
	(T33-T35,T66-T78 & T79)	Total	3	9	12	121	103	59	48	31	6	16	29	437

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
57	COMPLICATIONS OF SURGICAL AND MEDICAL CARE	Male	0	0	0	7	4	16	14	11	1	3	10	66	
	NOT ELSEWHERE CLASSIFIED(T80-T88)	Female	0	0	0	3	1	1	7	2	0	2	0	16	
		Total	0	0	0	10	5	17	21	13	1	5	10	82	
58	LATE EFFECTS OF INJURIES, OF POISONING AND OF OTHER CONSEQUENCES OF EXTERNAL CAUSES(T90-T98)	Male	0	0	0	0	0	0	4	0	0	0	0	4	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	0	0	4	0	0	0	0	4	
XX	EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(V01-Y89)	Male	43	151	255	1416	2174	1996	1695	1169	414	654	747	10714	
		Female	29	110	208	1470	1377	786	529	387	165	383	336	5780	
		Total	72	261	463	2886	3551	2782	2224	1556	579	1037	1083	16494	
E48	TRANSPORT ACCIDENTS(V01-V99)	Male	16	38	100	565	725	746	719	511	212	308	232	4172	
		Female	6	34	37	75	107	127	152	121	57	113	43	872	
		Total	22	72	137	640	832	873	871	632	269	421	275	5044	
1	RAILWAY ACCIDENTS(V05,V15,V80.6,V81)	Male	0	0	0	5	2	0	1	1	0	0	0	9	
		Female	0	0	0	0	0	1	1	0	0	0	0	2	
2	MOTOR VEHICLE TRAFFIC ACCIDENTS (V02-V04,V09.2-V09.3, V12-V14,V20-V29,V30-V39, V50-V59,V60-V69,V70-V79, V80.3-V80.5,V82.1,V87.0-V87.5&V87.7-V87.8,V88.0-V88.5& V89.2)	Male	16	38	100	560	721	744	718	510	211	308	232	4158	
		Female	6	34	36	75	107	126	151	121	56	113	43	868	
3	OTHER ROAD VEHICLE ACCIDENTS(V01,V06,V09.0-V09.1,V10-V11, V16-V18,V80.0-V80, V82.0,V82.2-V82.9,V87.9,V88.0-V88.5, V88.7-V88.9 & V89.0-V89.1)	Male	0	0	0	0	1	1	0	0	1	0	0	3	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
4	WATER TRANSPORT ACCIDENTS(V90-V94)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
5	AIR AND SPACE TRANSPORT ACCIDENTS(V95-V97)	Male	0	0	0	0	0	0	0	0	0	0	0	0	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
6	ALL OTHER TRANSPORT ACCIDENTS(V09.1,V09.9, V19.0-V19,V29.0-V29.3,V39.3,V49.3,V59.0-V59.3,V69.0-V69.3,V79.0-V79.3,V82,V82.8, V83-V86,V88.0-V88.5,V88.7-V88.9,V89.0,V89.3,V89.9 & V98-V99)	Male	0	0	0	0	1	1	0	0	0	0	0	2	
		Female	0	0	1	0	0	0	0	0	0	1	0	2	
E49	ACCIDENTAL FALLS(W00-W19)	Male	3	8	3	20	31	39	39	22	16	26	14	221	
		Female	0	3	2	1	4	4	7	13	1	23	0	58	
		Total	3	11	5	21	35	43	46	35	17	49	14	279	
E50	ACCIDENTAL DROWNING AND SUBMERSION (W65-W74)	Male	1	5	0	14	4	2	2	4	0	1	2	35	
		Female	1	1	0	6	1	2	0	2	0	0	2	15	
		Total	2	6	0	20	5	4	2	6	0	1	4	50	
E51	EXPOSURE TO SMOKE, FIRE AND FLAMES (X00-X09)	Male	12	43	64	133	263	188	97	59	8	48	77	992	
		Female	13	47	107	661	665	326	118	73	31	109	132	2282	
		Total	25	90	171	794	928	514	215	132	39	157	209	3274	
E52	ACCIDENTAL POISONING BY AND EXPOSURE TO NOXIOUS SUBSTANCES(X40-X49)	Male	3	14	18	101	201	204	155	107	38	50	73	964	
		Female	1	11	25	153	102	40	44	20	13	22	18	449	
		Total	4	25	43	254	303	244	199	127	51	72	91	1413	
E53	INTENTIONAL SELF-HARM(SUICIDE-ATTEMPTED (X60-X84)	Male	0	0	0	350	660	542	402	267	82	87	217	2607	
		Female	0	0	0	483	389	197	124	86	32	43	109	1463	
		Total	0	0	0	833	1049	739	526	353	114	130	326	4070	
E54	ASSAULT(HOMICIDE)(X85-Y09)	Male	0	3	1	22	31	23	15	17	3	7	13	135	
		Female	1	1	1	16	23	11	4	2	2	4	3	68	
		Total	1	4	2	38	54	34	19	19	5	11	16	203	
E55	OTHER VIOLENCE(Y10-Y36)	Male	0	0	1	10	11	6	2	6	1	1	3	41	
		Female	0	0	0	5	1	1	1	2	0	0	0	10	
		Total	0	0	1	15	12	7	3	8	1	1	3	51	
1	EVENT OF UNDERTERMINED INTENT(Y10-Y34)	Male	0	0	1	10	11	6	2	6	1	1	3	41	
		Female	0	0	0	5	1	1	1	2	0	0	0	10	

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE														
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS										NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	LEGAL INTERVENTION(Y35)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	OPERATIONS OF WAR(Y36)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
E56	COMPLICATIONS OF MEDICAL AND SURGICAL CARE(Y40-Y84)	Male	0	1	0	2	0	0	2	2	0	2	0	9
		Female	0	0	0	0	0	1	2	0	1	1	0	5
		Total	0	1	0	2	0	1	4	2	1	3	0	14
1	DRUGS,MEDICAMENTS AND BIOLOGICAL SUBSTANCES CAUSING ADVERSE EFFECTS IN THERAPEUTIC USE (Y40-Y59)	Male	0	1	0	2	0	0	1	0	0	1	0	5
		Female	0	0	0	0	0	0	0	0	0	1	0	1
2	MISADVENTURES DURING SURGICAL AND MEDICAL CARE, ADVERSE INCIDENTS IN DIAGNOSTIC AND THERAPEUTIC USE,ABNORMAL REACTIONS AND LATE COMPLICATIONS(Y60-Y69,Y70-Y82 & Y83-Y84)	Male	0	0	0	0	0	0	1	2	0	1	0	4
		Female	0	0	0	0	0	1	2	0	1	0	0	4
E57	OTHER EXTERNAL CAUSES OF ACCIDENTAL INJURY,NOT ELSEWHERE CLASSIFIED (W20-W64,W75-W99,X10-X39,X50-X59)	Male	8	39	68	199	247	246	262	174	54	123	116	1536
		Female	7	13	36	70	85	77	77	68	28	68	29	558
		Total	15	52	104	269	332	323	339	242	82	191	145	2094
1	ACCIDENTS CAUSED BY MACHINERY,AND BY CUTTING PIERCING INSTRUMENTS (W24-W31)	Male	0	0	0	1	0	0	0	0	0	0	0	1
		Female	0	0	0	0	0	0	0	0	0	0	0	0
2	ACCIDENTS CAUSED BY FIREARM MISSILE(W32-W34)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0
3	BITES OF SNAKES AND OTHER VENOMOUS ANIMALS (X20-X27)	Male	2	15	31	33	28	34	44	23	6	19	20	255
		Female	4	4	28	21	27	33	36	20	7	12	7	199
4	SUN STROKE(X32)	Male	0	0	0	0	0	0	0	0	0	0	0	0
		Female	0	0	0	0	0	0	0	0	0	0	0	0

TABLE 2 : MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA STATE															
SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
5	ALL OTHER ACCIDENTS INCLUDING LATE EFFECTS(W20-W23, W35-W64,W75-W99 X10-X19,X28-X29,X30-X31,X33-X39 & X50-X59)	Male	6	24	37	165	219	212	218	151	48	104	96	1280	
		Female	3	9	8	49	58	44	41	48	21	56	22	359	
E58	LATE EFFECTS OF EXTERNAL CAUSES OF MORBIDITY AND MORTALITY(Y85-Y89)	Male	0	0	0	0	1	0	0	0	0	1	0	2	
		Female	0	0	0	0	0	0	0	0	0	0	0	0	
		Total	0	0	0	0	1	0	0	0	0	1	0	2	
	ALL CAUSES (MAJOR GROUP I to XIX)	MALE	9375	886	1181	3062	6115	9756	13175	15523	8323	19544	4378	91318	
		FEMALE	6154	770	1032	3335	3857	4094	5536	7347	4760	13424	2081	52390	
		TOTAL	15529	1656	2213	6397	9972	13850	18711	22870	13083	32968	6459	143708	

TABLE-3 : Medically Certified Deaths by Sex and Major Cause Groups (based upon tenth revision of ICD) during 2006-2013

Major Group No.	Cause of Death	Sex	Y E A R							
			2006	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8	9	10	11
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	7531	8512	8183	8317	8876	8477	8528	9510
		F	3801	4152	4365	4646	5024	4689	5057	4998
		T	11332	12664	12548	12963	13900	13166	13585	14508
2	NEOPLASMS (C00-D48)	M	3163	3291	4117	4594	4367	4366	4545	5525
		F	2358	2238	2940	3219	3200	3213	3239	4055
		T	5521	5529	7057	7813	7567	7579	7784	9580
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	M	829	885	999	1005	1018	1097	1120	1222
		F	957	916	1024	1049	973	912	893	1223
		T	1786	1801	2023	2054	1991	2009	2013	2445
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	4667	4124	4623	4853	4630	4599	4874	4606
		F	2937	2415	3094	3091	3156	3237	3232	3432
		T	7604	6539	7717	7944	7786	7836	8106	8038
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	195	241	122	100	89	74	101	192
		F	34	35	24	38	24	31	24	54
		T	229	276	146	138	113	105	125	246
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	1659	1824	1929	2117	2009	2001	2074	2417
		F	1061	1069	1235	1215	1279	1162	1195	1451
		T	2720	2893	3164	3332	3288	3163	3269	3868
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0	0	2	2	1	2	4	7
		F	1	0	0	2	0	1	2	5
		T	1	0	2	4	1	3	6	12
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0	3	2	1	0	5	2	6
		F	0	0	0	3	2	3	1	5
		T	0	3	2	4	2	8	3	11
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	16478	15947	20910	20847	23941	23749	24681	26384
		F	9430	8661	11569	11769	13304	13184	13581	14997
		T	25908	24608	32479	32616	37245	36933	38262	41381

10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	4075	4883	5665	5639	6740	6451	6678	8140
		F	2066	2141	2864	2980	3670	3280	3380	4212
		T	6141	7024	8529	8619	10410	9731	10058	12352
11	DISEASES OF THE DIGESTIVE SYSTEM(K00-K92)	M	4914	4897	5279	5468	6225	6466	6700	7788
		F	1254	1265	1450	1501	1634	1608	1523	1750
		T	6168	6162	6729	6969	7859	8074	8223	9538
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE(L00-L98)	M	399	395	464	486	463	508	476	708
		F	169	198	240	257	225	264	230	364
		T	568	593	704	743	688	772	706	1072
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE(M00-M99)	M	39	35	51	54	88	107	124	162
		F	50	31	58	46	66	84	92	173
		T	89	66	109	100	154	191	216	335
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	M	1773	2101	2302	2446	2766	2544	2722	3143
		F	1030	1089	1195	1379	1413	1528	1457	1821
		T	2803	3190	3497	3825	4179	4072	4179	4964
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	M	0	0	0	0	0	0	0	0
		F	568	652	649	611	848	841	642	758
		T	568	652	649	611	848	841	642	758
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	M	4278	5173	5555	6204	6798	7090	6932	8073
		F	2988	3361	3831	4127	4004	4412	4678	5353
		T	7266	8534	9386	10331	10802	11502	11610	13406
17	CONGENITAL MALFORMATIONS,DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	M	618	663	979	1034	1020	1101	954	1352
		F	388	486	650	756	676	704	665	899
		T	1006	1149	1629	1790	1696	1805	1619	2251
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	M	2930	2838	3122	2601	1297	1019	793	1389
		F	1957	1804	1911	1720	1018	611	447	1060
		T	4887	4642	5033	4321	2315	1630	1240	2449
19	INJURY,POISONING AND CERTAIN OTHER CONSEQUENCES OF EXTERNAL CAUSES(S00-T98)	M	5960	7022	7272	7315	6523	8861	8411	10714
		F	3636	3953	4194	3941	3980	4940	5123	5780
		T	9596	10975	11466	11256	10503	13801	13534	16494
ALL CAUSES		M	59508	62834	71576	73083	76851	78517	79719	91318
		F	34685	34466	41293	42350	44496	44704	45461	52390
		T	94193	97300	112869	115433	121347	123221	125180	143708

TABLE-4 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE, SEX AND MAJOR CAUSE GROUPS (BASED UPON TENTH REVISION ICD) DURING 2006 TO 2013

Major Group No.	Cause of Death	Sex	Y E A R							
			2006	2007	2008	2009	2010	2011	2012	2013
1	2	3	6	7	8	9	10	11	12	12
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES(A00-B99)	M	12.66	13.55	11.43	11.38	11.55	10.80	10.70	10.41
		F	12.05	12.05	10.57	10.97	11.29	10.49	11.12	9.54
		T	12.03	13.02	11.12	11.23	11.45	10.68	10.85	10.10
2	NEOPLASMS (C00-D48)	M	5.32	5.24	5.75	6.29	5.68	5.56	5.70	6.05
		F	6.80	6.49	7.12	7.60	7.19	7.19	7.12	7.74
		T	5.86	5.68	6.25	6.77	6.24	6.15	6.22	6.67
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM (D50-D89)	M	1.39	1.41	1.40	1.38	1.32	1.40	1.40	1.34
		F	2.76	2.66	2.48	2.48	2.19	2.04	1.96	2.33
		T	1.90	1.85	1.79	1.78	1.64	1.63	1.61	1.70
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	M	7.84	6.56	6.46	6.64	6.02	5.86	6.11	5.04
		F	8.47	7.01	7.49	7.30	7.09	7.24	7.11	6.55
		T	8.07	6.72	6.84	6.88	6.42	6.36	6.48	5.59
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	M	0.33	0.38	0.17	0.14	0.12	0.09	0.13	0.21
		F	0.10	0.10	0.06	0.09	0.05	0.07	0.05	0.10
		T	0.24	0.28	0.13	0.12	0.09	0.09	0.10	0.17
6	DISEASES OF THE NERVOUS SYSTEM(G00-G98)	M	2.79	2.90	2.70	2.90	2.16	2.55	2.60	2.65
		F	3.06	3.10	2.99	2.87	2.87	2.60	2.63	2.77
		T	2.89	2.97	2.80	2.89	2.71	2.57	2.61	2.69
7	DISEASES OF THE EYE AND ADNEXA(H00-H59)	M	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
		F	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
		T	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
8	DISEASES OF THE EAR AND MASTOID PROCESS(H60-H95)	M	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
		F	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01
		T	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
9	DISEASES OF THE CIRCULATORY SYSTEM(I00-I99)	M	27.69	25.38	29.21	28.53	31.15	30.25	30.96	28.89
		F	27.19	25.13	28.02	27.79	29.90	29.49	29.87	28.63
		T	27.51	25.29	28.78	28.26	30.69	29.97	30.57	28.80
10	DISEASES OF THE RESPIRATORY SYSTEM(J00-J98)	M	6.85	7.77	7.91	7.72	8.77	8.22	8.38	8.91
		F	5.96	6.21	6.94	7.04	8.25	7.34	7.43	8.04
		T	6.52	7.22	7.56	7.47	8.58	7.90	8.03	8.60

TABLE-5 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES (A00-B99)	Male	2.17	22.57	26.93	16.56	16.39	16.10	13.12	9.44	8.71	6.63	11.26	10.41
		Female	2.03	24.81	33.62	13.46	14.39	15.78	12.90	8.57	6.34	6.00	11.20	9.54
		Total	2.11	23.61	30.05	14.94	15.61	16.01	13.06	9.16	7.85	6.38	11.24	10.10
2	NEOPLASMS (C00-D48)	Male	0.03	5.19	6.18	5.98	4.17	4.91	7.26	8.86	8.10	6.86	3.17	6.05
		Female	0.03	6.36	5.23	3.18	6.30	13.17	14.29	12.26	9.64	6.08	4.57	7.74
		Total	0.03	5.74	5.74	4.52	4.99	7.35	9.34	9.96	8.66	6.54	3.62	6.67
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	0.01	3.95	3.05	2.91	1.70	1.96	1.29	1.26	1.19	1.20	1.53	1.34
		Female	0.00	4.29	4.75	4.50	4.02	4.45	2.60	2.49	1.32	1.62	2.26	2.33
		Total	0.01	4.11	3.84	3.74	2.60	2.69	1.68	1.66	1.24	1.37	1.76	1.70
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	1.58	1.02	1.53	1.78	3.06	4.98	6.62	7.53	8.02	5.66	5.04
		Female	0.00	2.34	0.68	1.77	1.66	3.62	7.35	9.94	10.90	9.92	7.11	6.55
		Total	0.00	1.93	0.86	1.66	1.73	3.23	5.68	7.68	8.76	8.79	6.13	5.59
5	MENTAL AND BEHAVIOURAL DISORDERS(F01-F99)	Male	0.00	0.00	0.00	0.23	0.44	0.44	0.34	0.17	0.10	0.10	0.37	0.21
		Female	0.00	0.00	0.00	0.09	0.10	0.20	0.07	0.15	0.11	0.12	0.14	0.10
		Total	0.00	0.00	0.00	0.16	0.31	0.37	0.26	0.17	0.10	0.11	0.29	0.17
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	1.46	10.72	11.01	5.26	4.17	2.92	2.41	1.83	2.02	2.33	2.95	2.65
		Female	1.62	8.57	10.17	4.80	3.71	3.59	2.71	2.03	1.93	2.03	3.17	2.77
		Total	1.53	9.72	10.62	5.02	3.99	3.12	2.50	1.89	1.99	2.21	3.02	2.69
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0.00	0.00	0.00	0.07	0.02	0.00	0.02	0.01	0.00	0.00	0.02	0.01
		Female	0.00	0.00	0.00	0.00	0.03	0.07	0.00	0.01	0.00	0.00	0.00	0.01
		Total	0.00	0.00	0.00	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.02	0.01

TABLE-5 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											NS	TOTAL
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
8	DISEASES OF THE EAR AND MASTOID PROCESS (H60-H95)	Male	0.00	0.00	0.00	0.03	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
		Female	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
		Total	0.00	0.00	0.00	0.02	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.01	
9	DISEASES OF THE CIRCULATORY SYSTEM (I00-I99)	Male	0.34	2.60	4.23	4.64	14.26	22.50	29.38	37.72	42.16	43.23	31.68	28.89	
		Female	0.37	3.25	5.72	3.21	11.17	21.69	28.38	37.74	43.19	47.44	33.40	28.63	
		Total	0.35	2.90	4.93	3.89	13.07	22.26	29.08	37.73	42.54	44.94	32.23	28.80	
10	DISEASES OF THE RESPIRATORY SYSTEM (J00-J98)	Male	0.00	9.48	6.94	4.11	5.05	6.19	7.61	10.40	11.65	14.60	11.31	8.91	
		Female	0.00	11.30	6.49	4.65	5.65	7.57	8.02	9.90	10.53	11.13	10.04	8.04	
		Total	0.00	10.33	6.73	4.39	5.28	6.60	7.73	10.24	11.24	13.19	10.90	8.60	
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0.00	2.03	2.96	5.42	12.58	17.17	15.23	9.06	6.42	4.34	7.54	8.53	
		Female	0.00	0.65	1.65	2.67	3.66	4.71	6.48	4.36	3.68	2.84	3.36	3.34	
		Total	0.00	1.39	2.35	3.99	9.13	13.49	12.64	7.55	5.42	3.73	6.19	6.64	
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE (L00-L98)	Male	0.00	0.00	0.00	0.49	0.46	0.59	0.82	1.02	1.00	1.03	1.28	0.78	
		Female	0.00	0.00	0.00	0.78	0.29	0.71	1.01	0.82	1.05	0.86	0.82	0.69	
		Total	0.00	0.00	0.00	0.64	0.39	0.63	0.88	0.96	1.02	0.96	1.13	0.75	
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.00	0.33	0.10	0.08	0.19	0.26	0.18	0.25	0.23	0.18	
		Female	0.00	0.00	0.00	0.27	0.23	0.49	0.42	0.45	0.53	0.34	0.43	0.33	
		Total	0.00	0.00	0.00	0.30	0.15	0.20	0.26	0.32	0.31	0.28	0.29	0.23	
14	DISEASES OF THE GENITOURINARY SYSTEM(N00-N99)	Male	0.00	1.69	1.19	2.97	2.35	2.42	3.45	4.34	4.60	5.09	3.13	3.44	
		Female	0.00	0.65	1.65	2.16	2.62	2.66	4.59	4.63	5.44	4.40	3.51	3.48	
		Total	0.00	1.21	1.40	2.55	2.46	2.49	3.79	4.43	4.91	4.81	3.25	3.45	

TABLE-5 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS BY AGE , SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	10.97	9.18	0.93	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	5.72	3.55	0.27	0.00	0.00	0.00	0.00	0.00	0.00
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD(P00-P96)	Male	85.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.82
		Female	86.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.22
		Total	86.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.33
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES(Q00-Q99)	Male	9.63	22.80	13.21	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.39	1.48
		Female	8.48	23.25	9.11	2.79	0.00	0.00	0.00	0.00	0.00	0.00	0.53	1.72
		Total	9.18	23.01	11.30	2.61	0.00	0.00	0.00	0.00	0.00	0.00	0.43	1.57
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	Male	0.00	0.34	1.69	0.82	0.90	1.19	1.04	1.48	1.37	2.99	2.42	1.52
		Female	0.00	0.26	0.78	0.63	1.17	1.17	1.63	1.39	1.87	4.37	3.32	2.02
		Total	0.00	0.30	1.27	0.72	1.00	1.18	1.21	1.45	1.55	3.55	2.71	1.70
19	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.46	17.04	21.59	46.24	35.55	20.46	12.87	7.53	4.97	3.35	17.06	11.73
		Female	0.47	14.29	20.16	44.08	35.70	19.20	9.56	5.27	3.47	2.85	16.15	11.03
		Total	0.46	15.76	20.92	45.11	35.61	20.09	11.89	6.80	4.43	3.15	16.77	11.48
	ALL CAUSES	Male	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		Female	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

TABLE-6 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	CERTAIN INFECTIOUS AND PARASITIC DISEASES (A00-B99)	Male	2.13	2.10	3.34	5.33	10.54	16.52	18.18	15.42	7.62	13.63	5.18	100.00
		Female	2.50	3.82	6.94	8.98	11.10	12.93	14.29	12.61	6.04	16.13	4.66	100.00
		Total	2.26	2.70	4.58	6.59	10.73	15.28	16.84	14.45	7.08	14.49	5.00	100.00
2	NEOPLASMS (C00-D48)	Male	0.05	0.83	1.32	3.31	4.62	8.67	17.32	24.90	12.20	24.25	2.52	100.00
		Female	0.05	1.21	1.33	2.61	5.99	13.29	19.51	22.22	11.32	20.12	2.34	100.00
		Total	0.05	0.99	1.33	3.02	5.20	10.63	18.25	23.77	11.83	22.51	2.44	100.00
3	DISEASES OF THE BLOOD & BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM(D50-D89)	Male	0.08	2.86	2.95	7.28	8.51	15.63	13.91	16.04	8.10	19.15	5.48	100.00
		Female	0.00	2.70	4.01	12.26	12.67	14.88	11.77	14.96	5.15	17.74	3.84	100.00
		Total	0.04	2.78	3.48	9.78	10.59	15.26	12.84	15.50	6.63	18.45	4.66	100.00
4	ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES(E00-E89)	Male	0.00	0.30	0.26	1.02	2.37	6.49	14.24	22.30	13.61	34.02	5.38	100.00
		Female	0.00	0.52	0.20	1.72	1.86	4.31	11.86	21.27	15.12	38.81	4.31	100.00
		Total	0.00	0.40	0.24	1.32	2.15	5.56	13.22	21.86	14.26	36.07	4.93	100.00
5	MENTAL AND BEHAVIOURAL DISORDERS (F01-F99)	Male	0.00	0.00	0.00	3.65	14.06	22.40	23.44	14.06	4.17	9.90	8.33	100.00
		Female	0.00	0.00	0.00	5.56	7.41	14.81	7.41	20.37	9.26	29.63	5.56	100.00
		Total	0.00	0.00	0.00	4.07	12.60	20.73	19.92	15.45	5.28	14.23	7.72	100.00
6	DISEASES OF THE NERVOUS SYSTEM (G00-G98)	Male	5.67	3.93	5.38	6.66	10.55	11.79	13.12	11.75	6.95	18.87	5.34	100.00
		Female	6.89	4.55	7.24	11.03	9.86	10.13	10.34	10.27	6.34	18.81	4.55	100.00
		Total	6.13	4.16	6.08	8.30	10.29	11.17	12.07	11.19	6.72	18.85	5.04	100.00
7	DISEASES OF THE EYE AND ADNEXA (H00-H59)	Male	0.00	0.00	0.00	28.57	14.29	0.00	28.57	14.29	0.00	0.00	14.29	100.00
		Female	0.00	0.00	0.00	0.00	20.00	60.00	0.00	20.00	0.00	0.00	0.00	100.00
		Total	0.00	0.00	0.00	16.67	16.67	25.00	16.67	16.67	0.00	0.00	8.33	100.00

TABLE-6 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
8	DISEASES OF THE EAR AND MASTOID PROCESS (H60-H95)	Male	0.00	0.00	0.00	16.67	83.33	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Female	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
		Total	0.00	0.00	0.00	9.09	90.91	0.00	0.00	0.00	0.00	0.00	0.00	100.00
9	DISEASES OF THE CIRCULATORY SYSTEM (I00-I99)	Male	0.12	0.09	0.19	0.54	3.31	8.32	14.67	22.19	13.30	32.02	5.26	100.00
		Female	0.15	0.17	0.39	0.71	2.87	5.92	10.48	18.49	13.71	42.47	4.63	100.00
		Total	0.13	0.12	0.26	0.60	3.15	7.45	13.15	20.85	13.45	35.81	5.03	100.00
10	DISEASES OF THE RESPIRATORY SYSTEM (J00-J98)	Male	0.00	1.03	1.01	1.55	3.80	7.42	12.31	19.84	11.92	35.05	6.08	100.00
		Female	0.00	2.07	1.59	3.68	5.18	7.36	10.54	17.26	11.89	35.47	4.96	100.00
		Total	0.00	1.38	1.21	2.27	4.27	7.40	11.71	18.96	11.91	35.19	5.70	100.00
11	DISEASES OF THE DIGESTIVE SYSTEM (K00-K92)	Male	0.00	0.23	0.45	2.13	9.87	21.51	25.76	18.05	6.86	10.90	4.24	100.00
		Female	0.00	0.29	0.97	5.09	8.06	11.03	20.51	18.29	10.00	21.77	4.00	100.00
		Total	0.00	0.24	0.55	2.67	9.54	19.58	24.80	18.10	7.43	12.90	4.19	100.00
12	DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE L00-L98)	Male	0.00	0.00	0.00	2.12	3.95	8.19	15.25	22.46	11.72	28.39	7.91	100.00
		Female	0.00	0.00	0.00	7.14	3.02	7.97	15.38	16.48	13.74	31.59	4.67	100.00
		Total	0.00	0.00	0.00	3.82	3.64	8.12	15.30	20.43	12.41	29.48	6.81	100.00
13	DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE (M00-M99)	Male	0.00	0.00	0.00	6.17	3.70	4.94	15.43	24.69	9.26	29.63	6.17	100.00
		Female	0.00	0.00	0.00	5.20	5.20	11.56	13.29	19.08	14.45	26.01	5.20	100.00
		Total	0.00	0.00	0.00	5.67	4.48	8.36	14.33	21.79	11.94	27.76	5.67	100.00
14	DISEASES OF THE GENITOURINARY SYSTEM (N00-N99)	Male	0.00	0.48	0.45	2.90	4.58	7.51	14.48	21.41	12.19	31.66	4.36	100.00
		Female	0.00	0.27	0.93	3.95	5.55	5.99	13.95	18.67	14.22	32.45	4.01	100.00
		Total	0.00	0.40	0.62	3.28	4.94	6.95	14.28	20.41	12.93	31.95	4.23	100.00

TABLE-6 : PERCENTAGE DISTRIBUTION OF MEDICALLY CERTIFIED DEATHS OVER AGE GROUPS BY SEX AND MAJOR CAUSE GROUPS BASED ON 10TH REVISION OF ICD DURING THE YEAR 2013

KARNATAKA

SL. NO.	CAUSE OF DEATH	SEX	AGE GROUPS											
			<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-69	70+	NS	TOTAL
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
15	PREGNANCY, CHILDBIRTH AND THE PUERPERIUM (O00-O99)	Male	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		Female	0.00	0.00	0.00	48.28	46.70	5.01	0.00	0.00	0.00	0.00	0.00	0.00
		Total	0.00	0.00	0.00	48.28	46.70	5.01	0.00	0.00	0.00	0.00	0.00	0.00
16	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD (P00-P96)	Male	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Female	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
		Total	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	CONGENITAL MALFORMATIONS, DEFORMATIONS & CHROMOSOMAL ABNORMALITIES (Q00-Q99)	Male	66.79	14.94	11.54	5.47	0.00	0.00	0.00	0.00	0.00	0.00	1.26	
		Female	58.06	19.91	10.46	10.34	0.00	0.00	0.00	0.00	0.00	0.00	1.22	
		Total	63.31	16.93	11.11	7.42	0.00	0.00	0.00	0.00	0.00	0.00	1.24	
18	SYMPTOMS,SIGNS AND ABNORMAL CLINICAL & LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED (R000-R99)	Male	0.00	0.22	1.44	1.80	3.96	8.35	9.86	16.49	8.21	42.04	7.63	
		Female	0.00	0.19	0.75	1.98	4.25	4.53	8.49	9.62	8.40	55.28	6.51	
		Total	0.00	0.20	1.14	1.88	4.08	6.70	9.27	13.52	8.29	47.77	7.15	
19	INJURY,POISONING AND CERTAIN OTHER COSEQUENCES OF EXTERNAL CAUSES (S00-T98)	Male	0.40	1.41	2.38	13.22	20.29	18.63	15.82	10.91	3.86	6.10	6.97	
		Female	0.50	1.90	3.60	25.43	23.82	13.60	9.15	6.70	2.85	6.63	5.81	
		Total	0.44	1.58	2.81	17.50	21.53	16.87	13.48	9.43	3.51	6.29	6.57	
ALL CAUSES	Male	10.27	0.97	1.29	3.35	6.70	10.68	14.43	17.00	9.11	21.40	4.79		
	Female	11.75	1.47	1.97	6.37	7.36	7.81	10.57	14.02	9.09	25.62	3.97		
	Total	10.81	1.15	1.54	4.45	6.94	9.64	13.02	15.91	9.10	22.94	4.49		

Table - 7 : Percentage distribution of Medically Certified Deaths due to Tuberculosis, Diabetes Mellitus and Ischaemic Heart Diseases from 2006-2013

Year	Total MCCD Deaths due to									Total MCCD Deaths		
	Tuberculosis			Diabetes Mellitus			Ischaemic Heart Disease			Male	Female	Total
	Male	Female	Total	Male	Female	Total	Male	Female	Total			
2006	6.40	4.54	5.72	7.21	7.64	7.37	13.05	11.23	12.38	63.18	36.82	100.00
2007	6.83	4.65	6.07	5.87	6.38	6.04	11.21	10.13	10.83	64.94	35.06	100.00
2008	5.86	4.17	5.24	5.77	6.62	6.08	13.50	11.63	12.81	63.42	36.58	100.00
2009	5.47	3.70	4.82	6.15	6.58	6.30	12.75	11.21	12.18	63.31	36.69	100.00
2010	5.29	3.72	4.72	5.29	6.11	5.59	13.91	12.43	13.37	63.33	36.67	100.00
2011	5.24	3.72	4.69	5.12	6.20	5.51	12.77	11.47	12.30	63.72	36.28	100.00
2012	5.42	4.55	5.10	5.50	6.15	5.73	13.42	12.12	12.95	63.68	36.32	100.00
2013	5.22	3.44	4.57	4.07	5.23	4.49	11.66	10.56	11.26	63.54	36.46	100.00

FORM NO. 4/4A

(See Rule 7)

MEDICAL CERTIFICATE OF CAUSE OF DEATH

(Hospital in-patients/non-institutional deaths. Not to be used for still births)

To be sent to Registrar along with Form No.2 (Death Report)

Name of the Hospital.....

I hereby certify that the person whose particulars are given below died in the hospital in Ward No.....on.....
at.....A.M./P.M.

Name of the Deceased	For use of Statistical Office
----------------------	----------------------------------

Sex	Age at Death			
	If 1 year or more, age in Years	If less than 1 year, age in Months	If less than one month, age in Days	If less than one day, age in Hours
1. Male 2. Female				

CAUSE OF DEATH		Interval between on set & death approx
I		
Immediate Cause State the disease, injury or complication which caused death, not the mode of dying such as heart failure, asthenia, etc.	(a) Due to (or as a consequences of)
Antecedent Cause Morbid conditions, if any, giving rise to the above Cause, stating underlying conditions last	(b) Due to (or as a consequences of) (c)

II Other significant conditions contributing to the death but not related to the disease or conditions causing it
--	----------------	----------------

<u>Manner of death</u> 1. Natural 2. Accident 3. Suicide 4.Homicide 5. Pending investigation	How did the injury occur? If deceased was a female, was pregnancy the death associated with? 1. Yes 2. No If yes, was there a delivery? 1.Yes 2.No.
--	---

Name and signature of the Medical Attendant certifying the cause of death Date of verification.....
--

SEE REVERSE FOR INSTRUCTION

(To be detached and handed over to the relative of the deceased).

Certified that Shri/Smt/Kum.....S/W/D/of Shri
R/O.....was admitted to the hospital on and expired on

Doctor.....
(Medical Supdt
Name of the hospital)

MEDICAL CERTIFICATE OF CAUSE OF DEATH

Direction for completing the form No.4/4A

Name of deceased: To be given in full. Do not use initials. If deceased is an infant, not yet named at time of death, write. Son of (S/o) or 'Daughter of (D/o), followed by names of mother and father.

Age: If the deceased was over 1 year of age, give age in completed years. If the deceased was below 1 year of age, give age in months and if below 1 month give age in completed number of days, and if below one day, in hours.

Cause of Death: This part of the form should always be completed by the attending physician personally.

The certificate of cause of death is divided into two parts, I and II. Part I is again divided into three parts, lines (a)(b)(c). If a single morbid condition completely explains the deaths, then this will be written on line (a) of Part I, and nothing more need be written in the rest of Part I or in Part II, or example, small pox, lobar pneumonia, cardiac beriberi, are sufficient cause of death and usually nothing more is needed.

Often, however, a number of morbid conditions will have been present at death, and the doctor must then complete the certificate in the proper manner so that the correct underlying cause will be tabulated. First, enter in Part I(a) the immediate cause of death. This does not mean the mode of dying, e.g. heart failure, respiratory failure, etc. These terms should not appear on the certificate at all since they are modes of dying and not causes of death. Next consider whether the immediate cause is complication or delayed result of some other cause. If so, enter the antecedent cause in Part I, line (b). Some times there will be three stages in the course of events leading to death. If so, line (c) will be completed. The underlying cause to be tabulated is always written last in Part I.

Morbid conditions or injuries may be present which were not directly related to the train of events causing death but which contributed in some way to the fatal outcome. Sometimes the doctor finds it difficult to decide especially for infant deaths, which of several independent conditions was the primary cause of death; but only one cause can be tabulated, so the doctor must decide. If the other diseases are not effects of the underlying cause, they are entered in Part II.

Do not write two or more conditions on a single line. Please write the names of the diseases (in full) in the certificates as legibly as possible to avoid the risk of their being misread.

Onset: Complete the column for interval between onset and death whenever possible, even if very approximately, e.g. "from birth" "several years".

Accidental or violent deaths: Both the external cause and the nature of the injury are needed and should be stated. The doctor or hospital should always be able to describe the injury, stating the part of the body injured, and should give the external cause in full when this is shown. Example: (a) Hypostatic pneumonia; (b) Fracture of neck of femur, (c) Fall from ladder at home.

Maternal deaths: Be sure to answer the questions on pregnancy and delivery. This information is needed for all women of child-bearing age, even though the pregnancy may have had nothing to do with the death.

Old age or senility: Old age (or senility should be not given as a cause of death if a more specific cause is known. If old age was a contributory factor; it should be entered in Part II. Example (a) Chronic bronchitis, of old age.

Completeness of information: A complete cause history is not wanted, but, if the information is available enough details should be given to enable the underlying cause to be properly classified.

Example : Anaemia- Give type of anaemia, if known, Neoplasm-Indicate whether benign or malignant, and site with or primary neoplasm, whenever possible, Heart disease-Describe the condition specially; if congestive heart failure, chronic on pulmonale, etc., are mentioned, give the antecedent conditions. Tetanus-Describe the antecedent injury, if known. Operation-State the condition for which the operation was performed. Dysentery-Specify whether bacillary amoebic etc., if know. Complications of pregnancy or delivery-Describe the complication specifically. Tuberculosis-Give organs affected.

Symptomatic statement: Convulsions, diarrhoeas, fever, ascites, jaundice, debility, etc., are symptoms which may be due to any one of a number of different conditions. Sometimes nothing more is known but whenever possible, give the disease which caused the symptom.

Manner of Death: Deaths not due to external cause should be identified as "Natural". If the cause of death is known, but it is not known whether it was the result of an accident suicide or homicide and is subject to further investigation, the cause of death should invariably be filled in and the manner of death should be shown as "Pending investigation".

MAJOR GROUPS AND THE DESCRIPTION OF ICD-10 CODES

The classification of diseases may be defined as a system of categories to which morbid entities are assigned according to established criteria. The Tenth Revision of International Classification of Diseases (ICD-10) is a single coded list of three-character categories, each of which can be further divided into up to ten four-character subcategories. In place of the purely numeric coding system of ICD-9, ICD-10 uses alphanumeric code with a letter in the first position and a number in the second, third and fourth positions; the fourth character follows a decimal point. The code numbers can range from A00.0 to Z99.9. The letter U is not used and is kept blank for use in future. Codes U00-U49 is kept reserved to be used for the provisional assignment of new diseases of uncertain etiology. Codes U50-U99 may be used in research, e.g. when testing an alternative sub-classification for a special project.

2. The National list for tabulation of morbidity and Mortality based on the Ninth Revision of ICD-9, 1975 was adopted in MCCD from 1980 to 1998. Subsequently, the World Health Organisation (WHO) brought out 10th Revision of International Classification of Diseases (ICD) and the National List for tabulation of Morbidity and Mortality data, based on ICD-10 has been finalised in consultation with the states to meet their requirements and has been adopted from 1999 onward for MCCD Report. The list based on ICD-10 comprises of 20 major groups, 69 categories and 193 sub-categories of causes as compared to 18 major groups including supplementary classification of Injury & poisoning, 66 categories and 194 sub-categories of causes (includes few single causes) of national list based on ICD-9. Chapters, Blocks of three-character categories and group of three/four-character categories of ICD-10 have been considered as Major Groups, Categories and sub-categories respectively in the national list.

3. As per the recommendations of the ICD-10, data on “Medical Certification of Cause of Death” have been tabulated for a total of 69 categories of causes under Major Groups I to XX of National List including External Causes of morbidity and mortality.

NATIONAL LIST BASED ON ICD-10

Major Groups I to XIX :

1. Categories-58 (Group of three-character categories)
2. Sub-categories-177 (Group of $\frac{3}{4}$ - character categories and $\frac{3}{4}$ - character single category)

&

Major Groups I to XX : External Causes of Morbidity & Mortality

3. Categories-11 (Group of three – character categories)
4. Sub-categories-16 (Group of $\frac{3}{4}$ - character categories and $\frac{3}{4}$ - character single category)

The descriptions for all Major Groups of the National list based on ICD-10 are as under :

Major Cause Groups	DESCRIPTION AND ICD CODES
I	Certain Infectious and Parasitic diseases (A00-B99)
II	Neoplasms (C00-D48)
III	Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism (D50-D89)
IV	Endocrine, nutritional and metabolic diseases (E00-E89)
V	Mental and behavioral disorders (F01-F99)
VI	Diseases of the nervous system (G00-G98)
VII	Diseases of the eye and Adnexa (H00-H59)
VIII	Diseases of the ear and mastoid process (H60-H95)
IX	Diseases of the circulatory system (I00-I99)
X	Diseases of the respiratory system (J00-J98)
XI	Diseases of the digestive system (K00-K92)
XII	Diseases of the skin and subcutaneous tissue (L00-L98)
XIII	Diseases of the musculoskeletal system and connective tissue (M00-M99)
XIV	Diseases of the genitourinary system (N00-N99)
XV	Pregnancy, childbirth and the puerperium (O00-O99)
XVI	Certain conditions originating in the perinatal period (P00-P96)
XVII	Congenital malformations, deformation and chromosomal abnormalities (Q00-Q99)
XVIII	Symptoms, signs and abnormal clinical and laboratory findings, n.e.c. (R00-R99)
XIX	Injury, poisoning and certain other consequences of external causes (S00-T98)
XX	External causes of morbidity and mortality (V01-Y89)
*XXI	Factors influencing health status and contact with health services (Z00-Z99)

* Not in use in India

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